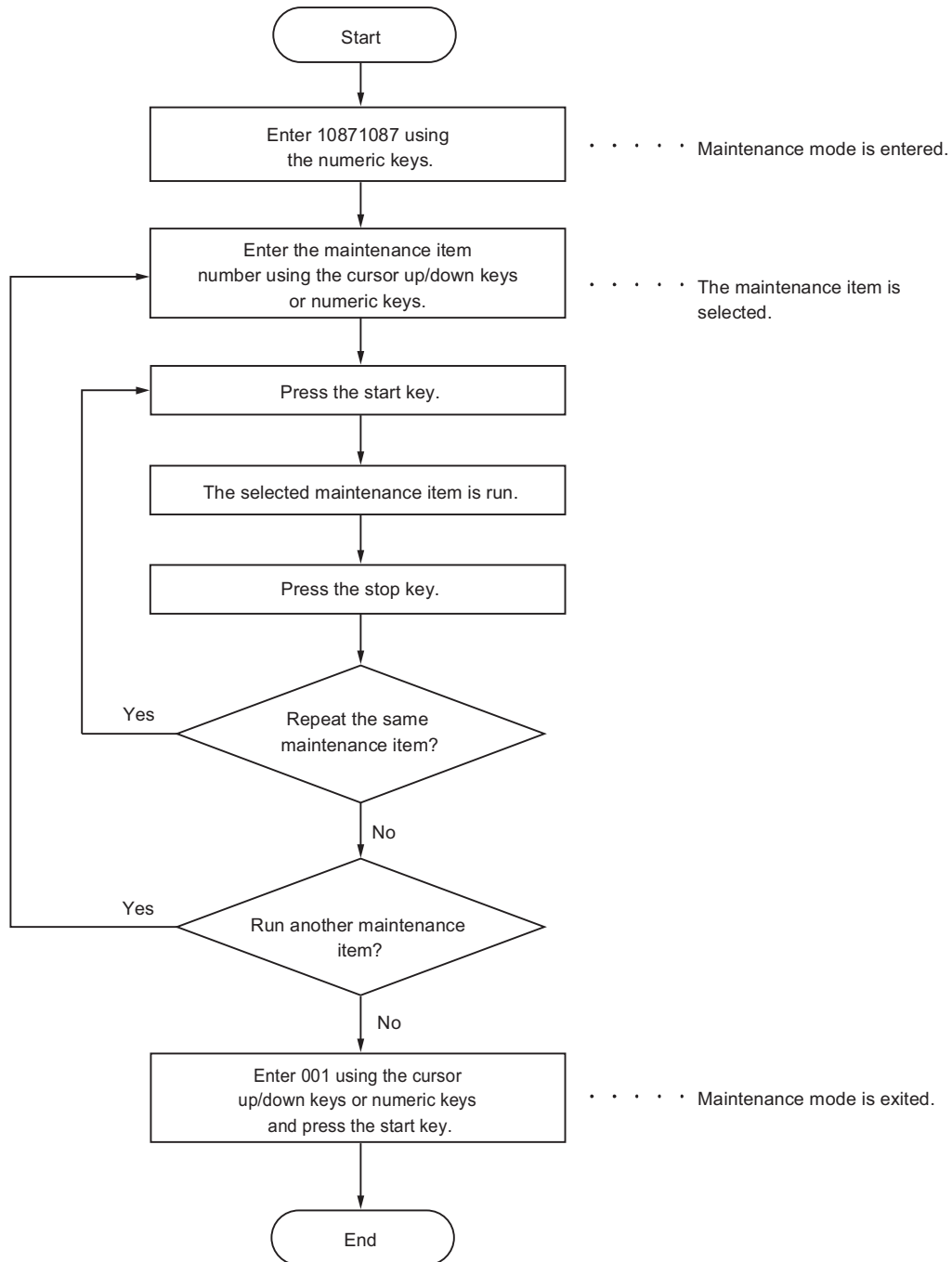


1-3-1 Maintenance mode

The machine is equipped with a maintenance function which can be used to maintain and service the machine.

(1) Executing a maintenance item



(2) Maintenance mode item list

Section	Item No.	Content of maintenance item	Initial setting*		
			25/25,30/30 ppm	40/40 ppm	50/40 ppm
General	U000	Outputting an own-status report	-		
	U001	Exiting the maintenance mode	-		
	U002	Setting the factory default data	-		
	U003	Setting the service telephone number	-		
	U004	Setting the machine number	-		
	U019	Displaying the ROM version	-		
Initialization	U021	Memory initializing	-		
	U024	HDD formatting	-		
Drive, paper feed and paper conveying system	U030	Checking the operation of the motors	-		
	U031	Checking switches and sensors for paper conveying	-		
	U032	Checking the operation of the clutches	-		
	U033	Checking the operation of the solenoids	-		
	U034	Adjusting the print start timing LSUOUT TOP LSUOUT LEFT LSUOUT TOP B/W	0/0/0/0/0/0/0/0/0/0/0 0/0/0/0/0/0 0/0/0/0/0/0		
	U035	Setting the printing area for folio paper Length/Width	330/210		
	U037	Checking the operation of the fan motors	-		
	U051	Adjusting the deflection in the paper Paper Loop Amount Paper Loop Amount B/W	0/1/1/1/0/6/0/ -9/0/-9/0/-4		0/7/1/7/-2/7/0/ -2/0/-2/0/-2
			0/1/0/0		
	U052	Setting the fuser motor control Set Loop Sensor Loop Sensor Control Loop Sensor Valid	- OFF/ON/ON/ON OFF		
	U053	Setting the adjustment of the motor speed Set MOTOR 1 Set MOTOR 2 Set MOTOR 3 Set MOTOR 4 Set MOTOR 5 Set MOTOR 6	6/6/6/6/ 59/59/59/59		4/4/4/4/ 43/43/43/43
			0/0/0/0/0/0/0		
			0/0/325/0/0/-50		0/0/300/150/0/0
27			20	17	
0/0/50/50/0					
0/0/300/380/0					
MODE1/0/MODE2					
Optical	U061	Checking the operation of the exposure lamp	-		
	U063	Adjusting the shading position	0		
	U065	Adjusting the scanner magnification	0/0		
	U066	Adjusting the scanner leading edge registration	0/0		
	U067	Adjusting the scanner center line	0/0		
	U068	Adjusting the scanning position for originals from the DP	0/0		
	U070	Adjusting the DP magnification	0/0/0/0		
	U071	Adjusting the DP scanning timing	0/0/0/0/0/0		

*Initial setting for executing U020, *1: The item initialized for executing U021

Section	Item No.	Content of maintenance item	Initial setting*			
			25/25,30/30 ppm	40/40 ppm	50/40 ppm	
Optical	U072	Adjusting the DP center line	0/0/0			
	U073	Checking the scanner operation	-			
	U074	Adjusting the DP input light luminosity	0			
	U080	Setting the economy mode	60/60			
	U081	Adjusting the correct exposure	0/0/0/0/0			
	U087	Setting DP reading position modification operation	145/145/145			
	U089	Outputting the MIP-PG pattern	-			
	U091	Setting the white line correction	112/75/0			
	U093	Adjusting the exposure density gradient TEXT MIXED OTHER FAX TEXT FAX PHOTO	0/0/0/0 0/0/0/0 0/0/0/0 0/0 0/0			
	U099	Adjusting original size detection	40/30/20/40/30/20/40/30/20/ 19/19/19/150			
50/50/50/50/50/50/50/50/50/50/ 49/49/49/150 (when DP is installed)						
High voltage	U100	Adjusting main high voltage	150/150/150/150/150			
		Adjust MC AC Bias	ON			
		AC Auto Adjustment	-			
		Set DC1	0/0/0/0/0/0/0			
		Adjust DC2	0			
		Adjust DC2(B/W)	1			
		Low Temp. Setting (Drum)	31449/31449			
		Set Charger Freq				
		U101	Setting the voltage for the primary transfer Normal (Full M) Normal (Half M) Normal (B/W M) Add Color (C) Add Color (Y) Add Color (K) Add Color 2nd(C) Add Color 2nd(M) Add Color 2nd(Y) Add Color 2nd(K) Surround Correct	95	105	
				75	78	
	105					
	5					
	5					
	15			20		
0						
0						
U106	Setting the voltage for the secondary transfer Light/Normal 1 Full Front Normal 2/3 Full Front Light/Normal 1 Full Back Normal 2/3 Full Back Light Normal1(F)Front BW Normal2/3(F)Front BW Light/Normal1(F)Back BW Normal2/3(F)Back BW	150/120/100/90	160/140/120/110			
		150/120/90	180/150/120			
		150/110/80/65	180/120/95/75			
		150/110/70	150/130/90			
		150/120/90	180/140/130			
		150/120/90	180/140/130			
		150/110/65	160/130/90			
		150/110/70	160/130/90			

*Initial setting for executing U020, *1: The item initialized for executing U021

Section	Item No.	Content of maintenance item	Initial setting*			
			25/25,30/30 ppm	40/40 ppm	50/40 ppm	
High voltage	U106	Heavy 1 - 3 (H)Front	150/90/65	150/90/70		
		Heavy 1 - 3 (H)Back	110/80/45	13/100/60		
		OHP	97/44	123/51		
		Bias	189/189/34/34/34			
	U107	Setting the transfer cleaning voltage				
		Belt Clean A(F)	70/70/70	83/83/83		
		Belt Clean A(H)	50/50/50	62/62/62		
		Belt Clean B	140/105/150	150/120/150		
		Belt Clean A(BW)	120/120/120			
	U108	Setting separation shift bias		85/60/52/60/8/26		
		Set Output Value		-		
		Set Output Value B/W			85/60/52/60	
		Set Timing	-190/0/110	-200/0/70		
	U109	Checking the drum type		-		
	U110	Checking the drum count		-		
U111	Checking the drum drive time		-			
U117	Checking the drum number		-			
U118	Displaying the drum history		-			
U119	Setting the drum		-			
U122	Checking the transfer belt unit number		-			
U123	Displaying the transfer belt unit history		-			
U127	Checking/clearing the transfer count		-			
U128	Setting transfer high-voltage timing		-54/-54/10			
Developing	U131	Adjusting the toner sensor control voltage	116/116/116/116			
		Manual Adjustment	-			
		Auto Adjustment	Automatic adjustment			
	U132	Replenishing toner forcibly	-			
	U135	Checking toner motor operation	-			
	U136	Setting toner near end detection	3/3			
	U139	Displaying the temperature and humidity outside the machine	-			
	U140	Displaying developing bias	-			
		Dev Roll2 DC	80/80/80/80	93/93/93/93/101		
		Dev Roll1(Calib)DC	102/129/155/182/102/129/155/182	112/142/173/204/112/142/173/204		
Dev Roll2 AC		174/174/174/174/174				
Dev Roll1DC		162/162/162/162/162				
Roll1 DC Int		85/85/85/85/89				
Dev Roll1AC		255/255/255/255/255				
DEV Roll Freq		858/858/858/858/858				
DEV Roll Duty		592/592/592/592/592				
Dev Roll2 Duty		373/373/373/373/373				

*Initial setting for executing U020, *1: The item initialized for executing U021

Section	Item No.	Content of maintenance item	Initial setting*		
			25/25,30/30 ppm	40/40 ppm	50/40 ppm
Developing	U147	Setting for toner applying operation			
		Transition Time	50		
		Set Operation Mode	MODE1		
		Upper Limit	5.0		
		Sleeve Cleaning Interval	60		
		Set Drum Cleaning Mode	MODE1		
		Set Minimum Value	10/20		
	U148	Setting drum refresh mode	ON		
	U155	Displaying the toner sensor output	-		
	U156	Setting the toner replenishment level			
		Supply Level	502/502/502/502/502		
		Empty Level	101/101/101/101/101		
	U157	Checking the developing drive time	-		
	U158	Checking the developing count	-		
Fuser	U161	Setting the fuser control temperature			
		Ready Temp.	153*1	160*1	
		Stable (Driving)	160*1	165*1	
		Stable (Stop)	160*1	165*1	
		Temp. Print Full	160*1	165*1	
		Shift Print Dup	0*1	-5*1	
		P. Roller Temp.	-	140*1	
		Stability Condition	0		
	U163	Resetting the fuser problem data	-		
	U167	Checking/clearing the fuser count	-		
	U199	Displaying fuser heater temperature	-		
Operation panel and support equipment	U200	Turning all LEDs on	-		
	U201	Initializing the touch panel	-		
	U202	Setting the KMAS host monitoring system	-		
	U203	Operating the DP separately	0		
	U204	Setting the presence or absence of a key card or key counter	OFF*1		
	U206	Setting the presence or absence of the coin vender	-		
	U207	Checking the operation panel keys	-		
	U208	Setting the paper size for the paper feeder	Letter (Inch)/A4 (Metric)*1		
	U221	Setting the USB host lock function	OFF*1		
	U222	Setting the IC card type	-		
	U223	Operation panel lock	Unlock*1		
	U224	Panel sheet extension	-		
	U234	Setting punch destination	INCH (Inch)/EUROPE METRIC (Metric)		
	U237	Setting finisher stack quantity	0/0*1		
	U240	Checking the operation of the finisher	-		
	U241	Checking the operation of the switches of the finisher	-		
	U243	Checking the operation of the DP motors	-		
	U244	Checking the DP switches	-		
U245	Checking messages	-			

*Initial setting for executing U020, *1: The item initialized for executing U021

Section	Item No.	Content of maintenance item	Initial setting*		
			25/25,30/30 ppm	40/40 ppm	50/40 ppm
Operation panel and support equipment	U246	Setting the finisher 3000 FINISHER BOOKLET FOLDER	0/0/0/0/0/0 ^{*1} 0/0/0/0/0/0/0 ^{*1}		
	U247	Setting the paper feed device	-		
Mode setting	U250	Change the maintenance count pre-set	-		
	U251	Checking/clearing the maintenance count	-		
	U252	Setting the destination	-		
	U253	Switching between double and single counts	DOUBLE COUNT (A3/LEDGER)		
	U260	Selecting the timing for copy counting	EJECT ^{*1}		
	U265	Setting OEM purchaser code	0		
	U276	Setting the copy count mode	MODE0 ^{*1}		
	U278	Setting the delivery date	-		
	U284	Setting 2 color copy mode	OFF ^{*1}		
	U285	Setting service status page	ON		
	U323	Setting abnormal temperature and humidity warning	ON		
	U325	Setting the paper interval	ON/1		
	U326	Setting the black line cleaning indication	ON ^{*1} /8		
	U327	Setting the cassette heater control	OFF/NONE		
	U328	Side ejection setting	OFF ^{*1}		
	U332	Setting the size conversion factor	1.0 ^{*1}		
	U340	Setting the applied mode	0/0 ^{*1}		
	Image processing	U341	Specific paper feed location setting for printing function	-	
U343		Switching between duplex/simplex copy mode	OFF ^{*1}		
U345		Setting the value for maintenance due indication	-		
U402		Adjusting margins of image printing	4.0/3.0/3.0/3.9		
U403		Adjusting margins for scanning an original on the contact glass	2.0/2.0/2.0/2.0		
U404		Adjusting margins for scanning an original from the DP	3.0/2.5/3.0/4.0/3.0/2.5/3.0/4.0		
U407		Adjusting the leading edge registration for memory image printing	0		
U410		Adjusting the halftone automatically	Table 1		
U411		Adjusting the scanner automatically	-		
U412		Adjusting the uneven density	-		
U425	Setting the target	-			
U429	Setting the offset for the color balance	0/0/0/0			
U432	Setting the center offset for the exposure Full Color Mono Color	0/0/0 0/0/0			

*Initial setting for executing U020, *1: The item initialized for executing U021

Section	Item No.	Content of maintenance item	Initial setting*		
			25/25,30/30 ppm	40/40 ppm	50/40 ppm
Image processing	U464	Setting the ID correction operation			
		Permission		ON	
		Set Time Interval		480	
		Leaving Time		60	
		Permission Act.(50sheets)		ON	
		Permission (ON/Sleep out)		ON	
		Permission (AP/NE)		ON	
		Execution Timing		1800	
		Driving Time		600	
		Execution Print Rate		20	
		Set Custom		OFF	
		Target Value		500/500/500/10/300/300/300/300	
		Permission(B/W)		50	
AC Calib Magnification		0/0/0/0			
SetInt.Calib PrintRate(H)		10			
Set Calib TimingduringPrint(H)		600			
AC Calib Type		MODE1			
		Warmup Calib Type	MODE1	-	
	U465	Data reference for ID correction	-		
	U467	Setting the color registration adjustment			
		Color Regist Adjustment		ON	
		Transfer Belt Speed Adj.		ON	
		Set Timing		10	
	U468	Checking the color registration data	-		
	U470	Setting the JPEG compression ratio			
		System		90/90*1	
		Copy		90/90/90/90*1	
		Send		30/40/51/70/90*1	
				30/40/51/70/90*1	
				30/40/51/70/90*1	
	U473	Adjusting laser power output			
		Set Sensitivity		-	
		Adjust LSU Laser Power		16/16/16/16	
		Density Correction		ON	
		Input Density Adjust Value		-	
		Set Density (Emit Time/Dot)		ALL:0	
	U474	Checking LSU cleaning operation		1000/1	
	U485	Setting the image processing mode		1/0*1	
	U486	Setting color/black and white operation mode		MODE2	
Network scanner	U510	Setting the enterprise mode		ON (Inch)/OFF (Metric)*1	

*Initial setting for executing U020, *1: The item initialized for executing U021

Section	Item No.	Content of maintenance item	Initial setting*		
			25/25,30/30 ppm	40/40 ppm	50/40 ppm
Other	U901	Checking copy counts by paper feed locations	-		
	U902	Checking/clearing finisher punch count	-		
	U903	Checking/clearing the paper jam counts	-		
	U904	Checking/clearing the call for service counts	-		
	U905	Checking counts by optional devices	-		
	U906	Resetting partial operation control	-		
	U908	Checking the total counter value	-		
	U910	Clearing the coverage data	-		
	U911	Checking/clearing copy counts by paper sizes	-		
	U917	Setting backup data reading/writing	-		
	U920	Checking the copy counts	-		
	U927	Clearing the all copy counts and machine life counts (one time only)	-		
	U928	Checking machine life counts	-		
	U930	Checking/clearing the charger roller count	-		
	U942	Setting of deflection for feeding from DP	0/0/0		
	U964	Checking of log	-		
	U969	Checking of toner area code	-		
	U977	Data capture mode	-		
	U984	Checking the developing unit number	-		
	U985	Displaying the developing unit history	-		
	U989	HDD Scandisk	-		
U990	Checking/clearing the time for the exposure lamp to	-			
U991	Checking the scanner operation count	-			
U996	Setting the Self-diagnostic function mode	-			

*Initial setting for executing U020, *1: The item initialized for executing U021

(3) Contents of maintenance mode items

Maintenance item No.	Description																																
U000	<p>Outputting an own-status report</p> <p>Description Outputs lists of the current settings of the maintenance items, and paper jam and service call occurrences. Outputs the event log or service status page. Also sends output data to the USB memory. Printing a report is disabled either when a job is remaining in the buffer or when [Pause All Print Jobs] is pressed to halt printing.</p> <p>Purpose To check the current setting of the maintenance items, or paper jam or service call occurrences. Before initializing or replacing the backup RAM, output a list of the current settings of the maintenance items to reenter the settings after initialization or replacement.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. Select the item to be output. <table border="1"> <thead> <tr> <th>Display</th> <th>Output list</th> </tr> </thead> <tbody> <tr> <td>MAINTENANCE</td> <td>List of the current settings of the maintenance modes</td> </tr> <tr> <td>USER STATUS</td> <td>Outputs the user status page</td> </tr> <tr> <td>SERVICE STATUS</td> <td>Outputs the service status page</td> </tr> <tr> <td>EVENT</td> <td>Outputs the event log</td> </tr> <tr> <td>NETWORK STATUS</td> <td>Outputs the network status page</td> </tr> <tr> <td>ALL</td> <td>Outputs the all reports</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The interrupt print mode is entered and a list is output. When A4/Letter paper is available, a report of this size is output. If not, specify the paper feed location. When output is complete, the screen for selecting an item is displayed. The output status is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>READY</td> <td>Standing by for output (including while outputting other reports)</td> </tr> <tr> <td>ACTIVE</td> <td>Performing output processing</td> </tr> <tr> <td>COMPLETE</td> <td>Output processing completed normally</td> </tr> <tr> <td>ERROR</td> <td>Output processing terminated with an error</td> </tr> </tbody> </table> <p>Method: Send to the USB memory</p> <ol style="list-style-type: none"> Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. Insert USB memory in USB memory slot. Turn the main power switch on. Enter the maintenance item. Press the start key. Select the item to be send. Select [TEXT] or [HTML]. <table border="1"> <thead> <tr> <th>Display</th> <th>Output list</th> </tr> </thead> <tbody> <tr> <td>Print</td> <td>Outputs the report</td> </tr> <tr> <td>To USB (TEXT)</td> <td>Sends output data to the USB memory (text type)</td> </tr> <tr> <td>To USB (HTML)</td> <td>Sends output data to the USB memory (HTML type)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. Output will be sent to the USB memory. 	Display	Output list	MAINTENANCE	List of the current settings of the maintenance modes	USER STATUS	Outputs the user status page	SERVICE STATUS	Outputs the service status page	EVENT	Outputs the event log	NETWORK STATUS	Outputs the network status page	ALL	Outputs the all reports	Display	Description	READY	Standing by for output (including while outputting other reports)	ACTIVE	Performing output processing	COMPLETE	Output processing completed normally	ERROR	Output processing terminated with an error	Display	Output list	Print	Outputs the report	To USB (TEXT)	Sends output data to the USB memory (text type)	To USB (HTML)	Sends output data to the USB memory (HTML type)
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U000	<p>Event log</p> <div style="border: 1px solid black; padding: 10px;"> <h3 style="margin: 0;">Event Log</h3> <p style="margin: 0;">MFP</p> <p style="text-align: right; margin: 0;">(2) 27/Oct/2009 08:40</p> <p style="margin: 0;">(1) Firmware version 2H7_2000.000.000 2009.10.27 (3) [XXXXXXXX] (4) [XXXXXXXX] (5) [XXXXXXXX] (6) [XXXXXXXX]</p> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>(8) Paper Jam Log</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Count.</th> <th>Event Descriptions</th> </tr> </thead> <tbody> <tr><td>16</td><td>1876543</td><td>10.01.08.01.01</td></tr> <tr><td>15</td><td>166554</td><td>10.01.08.01.02</td></tr> <tr><td>14</td><td>4988</td><td>10.01.08.01.01</td></tr> <tr><td>13</td><td>4988</td><td>10.01.08.01.02</td></tr> <tr><td>12</td><td>4988</td><td></td></tr> <tr><td>11</td><td>4988</td><td></td></tr> <tr><td>10</td><td>1103</td><td></td></tr> <tr><td>9</td><td>1103</td><td></td></tr> <tr><td>8</td><td>1103</td><td>12.03.08.01.01</td></tr> <tr><td>7</td><td>1103</td><td>12.03.08.01.01</td></tr> <tr><td>6</td><td>1027</td><td>12.03.08.01.01</td></tr> <tr><td>5</td><td>1027</td><td>12.03.0A.01.01</td></tr> <tr><td>4</td><td>1027</td><td>12.03.08.01.01</td></tr> <tr><td>3</td><td>1027</td><td>12.03.08.01.02</td></tr> <tr><td>2</td><td>406</td><td>12.03.0A.01.01</td></tr> <tr><td>1</td><td>36</td><td>12.03.08.01.01</td></tr> </tbody> </table> </div> <div style="width: 48%;"> <p>(9) Service Call Log</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Count.</th> <th>Service Code</th> </tr> </thead> <tbody> <tr><td>8</td><td>1881214</td><td>F0.0030</td></tr> <tr><td>7</td><td>178944</td><td>01.1010</td></tr> <tr><td>6</td><td>5296</td><td>F0.4000</td></tr> <tr><td>5</td><td>5295</td><td>F0.3100</td></tr> <tr><td>4</td><td>2099</td><td>01.2000</td></tr> <tr><td>3</td><td>1054</td><td>01.2000</td></tr> <tr><td>2</td><td>809</td><td>01.2500</td></tr> <tr><td>1</td><td>30</td><td>01.2500</td></tr> </tbody> </table> <p>(10) Maintenance Log</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Count.</th> <th>Item</th> </tr> </thead> <tbody> <tr><td>8</td><td>1045571</td><td>01.00</td></tr> <tr><td>7</td><td>104511</td><td>01.00</td></tr> <tr><td>6</td><td>7045</td><td>01.00</td></tr> <tr><td>5</td><td>3454</td><td>01.00</td></tr> <tr><td>4</td><td>3454</td><td>02.00</td></tr> <tr><td>3</td><td>3454</td><td>02.00</td></tr> <tr><td>2</td><td>417</td><td>02.00</td></tr> <tr><td>1</td><td>34</td><td>02.20</td></tr> </tbody> </table> <p>(11) Unknown toner Log</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Count.</th> <th>Item</th> </tr> </thead> <tbody> <tr><td>5</td><td>3454</td><td>01.00</td></tr> <tr><td>4</td><td>3454</td><td>01.00</td></tr> <tr><td>3</td><td>3454</td><td>01.00</td></tr> <tr><td>2</td><td>406</td><td>01.00</td></tr> <tr><td>1</td><td>32</td><td>01.00</td></tr> </tbody> </table> <p>(12) Counter Log</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>(f)</th> <th>(g)</th> <th>(h)</th> </tr> </thead> <tbody> <tr> <td>J04:000</td> <td>C0100:001</td> <td>M00:01</td> </tr> <tr> <td>J05:000</td> <td>C1010:001</td> <td>M00:01</td> </tr> <tr> <td>J09:000</td> <td>C1020:001</td> <td></td> </tr> <tr> <td>J10:000</td> <td>C1030:001</td> <td></td> </tr> <tr> <td>J11:000</td> <td>C1040:001</td> <td></td> </tr> <tr> <td>J20:000</td> <td>C4000:001</td> <td></td> </tr> <tr> <td>J21:000</td> <td>C4010:001</td> <td></td> </tr> <tr> <td>J22:000</td> <td>C4100:001</td> <td></td> </tr> <tr> <td>J23:000</td> <td>C6000:001</td> <td></td> </tr> <tr> <td>J30:002</td> <td></td> <td></td> </tr> <tr> <td>J40:002</td> <td></td> <td></td> </tr> <tr> <td>J70:000</td> <td></td> <td></td> </tr> <tr> <td>J71:000</td> <td></td> <td></td> </tr> <tr> <td>J72:000</td> <td></td> <td></td> </tr> <tr> <td>J73:000</td> <td></td> <td></td> </tr> <tr> <td>J74:002</td> <td></td> <td></td> </tr> <tr> <td>J75:002</td> <td></td> <td></td> </tr> <tr> <td>J76:000</td> <td></td> <td></td> </tr> </tbody> </table> </div> </div> <p style="text-align: right; margin-top: 10px;">(7) [XXXXXXXXXXXXXXXXXXXX]</p> </div>	#	Count.	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U000	Description			
	No.	Items	Description	
	(8)	Paper Jam Log	#	Count.
		Remembers 1 to 16 of occurrence. If the occurrence of the previous paper jam is less than 16, all of the paper jams are logged. When the occurrence exceeds 16, the oldest occurrence is removed.	The total page count at the time of the paper jam.	Log code (2 digit, hexadecimal, 5 categories) (a) Cause of a paper jam (b) Paper source (c) Paper size (d) Paper type (e) Paper eject
		(a) Cause of paper jam (Hexadecimal)		
		00: Initial JAM 04: Cover open JAM 05: Secondary paper feed does not start 09: Sequence error JAM 10: No paper feed from cassette 1 11: No paper feed from cassette 2 12: No paper feed from optional cassette 3 13: No paper feed from optional cassette 4 14: No paper feed from MP tray 15: Misfeed in paper feeder horizontal paper conveying section 1 16: Misfeed in paper feeder horizontal paper conveying section 2 17: Misfeed in paper feeder horizontal paper conveying section 3 18: Misfeed in vertical paper conveying section 19: Misfeed in paper feeder paper conveying section 21: Multiple sheets in MP tray paper feed section 22: Multiple sheets in cassette 1 paper feed section 23: Multiple sheets in cassette 2 paper feed section 24: Multiple sheets in cassette 3 paper feed section 25: Multiple sheets in cassette 4 paper feed section 26: Multiple sheets in MP tray paper feed section 30: Misfeed in registration/transfer section 31: Misfeed round the transfer belt 40: Misfeed in fuser section (MP tray) 41: Misfeed in fuser section (cassette 1) 42: Misfeed in fuser section (cassette 2) 43: Misfeed in fuser section (cassette 3) 44: Misfeed in fuser section (cassette 4) 45: Misfeed in fuser section (3000-sheet paper feeder) 46: Misfeed in fuser section (duplex section) 50: Misfeed in eject section 51: Misfeed in job separator eject section 52: Misfeed in feedshift section 60: Misfeed in duplex paper conveying section 1 61: Misfeed in duplex paper conveying section 2 70: No original feed 71: An original jam in the original feed section 72: An original jam in the original conveying section 73: An original jam in the original registration section 74: An original jam in the original feed section 75: An original jam in the original conveying section 76: An original jam in the original switchback section 1 77: An original jam in the original switchback section 2		

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Finisher cover open 92: Eject paper sensor non-arrival jam (document finisher) 93: Reverse sensor jam (document finisher) 94: Paper entry sensor stay/remaining jam (document finisher) 95: Paper conveying sensor jam (document finisher) </td> </tr> <tr> <td colspan="3">(b) Detail of paper source (Hexadecimal)</td> </tr> <tr> <td colspan="3"> 00: MP tray 01: Cassette 1 02: Cassette 2 03: Cassette 3 (paper feeder) 04: Cassette 4 (paper feeder) 08: 3000-sheet paper feeder 05/06/07/09: Reserved </td> </tr> <tr> <td colspan="3">(c) Detail of paper size (Hexadecimal)</td> </tr> <tr> <td colspan="3"> <table border="1"> <tbody> <tr> <td>00: (Not specified)</td> <td>0B: B4</td> <td>23: Special 2</td> </tr> <tr> <td>01: Monarch</td> <td data-bbox="883 1186 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	(9)	Service Call Log	#	Count.	Service Code				
		Remembers 1 to 8 of occurrence of self diagnostics error. If the occurrence of the previous diagnostics error is less than 8, all of the diagnostics errors are logged.	The total page count at the time of the self diagnostics error.	Self diagnostic error code (See page 1-4-27) Example: 01.6000 01: Self diagnostic error 6000: Self diagnostic error code number					
(10)	Maintenance Log	#	Count.	Item					
		Remembers 1 to 8 of occurrence of replacement. If the occurrence of the previous replacement of toner container is less than 8, all of the occurrences of replacement are logged.	The total page count at the time of the replacement of the toner container.	Code of maintenance replacing item (1 byte, 2 categories) First byte (Replacing item) 01: Toner container Second byte (Type of replacing item) 00: Black 01: Cyan 02: Magenta 03: Yellow First byte (Replacing item) 02: Maintenance kit Second byte (Type of replacing item) 01: MK-865A/855A 02: MK-865B/855B					

Maintenance item No.	Description				
U000	Description				
	No.	Items	Description		
	(11)	Unknown Toner Log	# Remembers 1 to 5 of occurrence of unknown toner detection. If the occurrence of the previous unknown toner detection is less than 5, all of the unknown toner detection are logged.	Count. The total page count at the time of the [Toner Empty] error with using an unknown toner container.	Item Unkown toner log code (1 byte, 2 categories) First byte 01: Toner container (Fixed) Second byte 00: Black 01: Cyan 02: Magenta 03: Yellow
	(12)	Counter Log Comprised of three log counters including paper jams, self diagnostics errors, and replacement of the toner container.	(f) Paper jam Indicates the log counter of paper jams depending on location. Refer to Paper Jam Log. All instances including those are not occurred are displayed.	(g) Self diagnostic error Indicates the log counter of self diagnostics errors depending on cause. (See page 1-4-27) Example: C6000: 4 Self diagnostics error 6000 has happened four times.	(h) Maintenance item replacing Indicates the log counter depending on the maintenance item for maintenance. T: Toner container 00: Black 01: Cyan 02: Magenta 03: Yellow M: Maintenance kit 00: MK-865A/855A 01: MK-865B/855B Example: T00: 1 The (black) toner container has been replaced once.

Maintenance item No.	Description												
U000	<p>Service status page (1)</p> <div style="border: 1px solid black; padding: 10px;"> <h3 style="text-align: center;">Service Status Page</h3> <p style="text-align: center;">MFP</p> <p style="text-align: right;">(2) 27/Oct/2009 08:40</p> <p>(1) Firmware version 2H7_2000.000.000 2009.10.27 (3) [XXXXXXXX] (4) [XXXXXXXX] (5) [XXXXXXXX]</p> <hr/> <h4>Controller Information</h4> <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Memory status</td> <td colspan="2">(31) FRPO Status</td> </tr> <tr> <td>(6) Total Size</td> <td>2.0 GB</td> <td>Default Pattern Switch</td> <td>B8 0</td> </tr> <tr> <td></td> <td></td> <td>Default Font Number</td> <td>C5*10000+C2*100+C3 00000</td> </tr> </table> <p>Time</p> <p>(7) Local Time Zone +01:00 Tokio (8) Date and Time 27/10/2008 08:40 (9) Time Server 10.183.53.13</p> <p>Installed Options</p> <p>(10) Document Processor Installed (11) Paper feeder Cassette (12) Finisher 3000-Finisher (13) Mail Box Not Installed (14) Job Sparator Installed (15) Document Guard(A) Installed (16) Internet FAX Kit(A) Installed (17) Security Kit(E) Installed (18) Data Security Kit (E) Software Type IV</p> <p>Digital Dot Coverage</p> <p>(19) Average(%) / Usage Page(A4/Letter Conversion) (20) Total K: 1.10 / 1111111.11 C: 2.20 / 2222222.22 M: 3.30 / 3333333.33 Y: 4.40 / 4444444.44</p> <p>(21) Copy K: 1.10 / 1111111.11 C: 2.20 / 2222222.22 M: 3.30 / 3333333.33 Y: 4.40 / 4444444.44</p> <p>(22) Printer K: 1.10 / 1111111.11 C: 2.20 / 2222222.22 M: 3.30 / 3333333.33 Y: 4.40 / 4444444.44</p> <p>(23) FAX K: 1.10 / 1111111.11</p> <p>(24) Period (03/11/2009 - 27/10/2009 08:40) (25) Last Page K/C/M/Y(%) 1.11/2.22/3.33/4.44</p> <p>(26) FAX Information Slot1/Slot2 (27) Rings (Normal) 3 (28) Rings (FAX/TEL) 3 (29) Rings (TAD) 3 (30) Option DIMM Size 16 MB</p> <hr/> <p style="text-align: center;">1 (32) [XXXXXXXXXXXXXXXXXXXX]</p> </div>	Memory status		(31) FRPO Status		(6) Total Size	2.0 GB	Default Pattern Switch	B8 0			Default Font Number	C5*10000+C2*100+C3 00000
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		Default Font Number	C5*10000+C2*100+C3 00000										

Figure 1-3-2

Maintenance item No.	Description																
U000	<p>Service status page (2)</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>Service Status Page MFP</p> <p style="text-align: right;">27/Oct/2009 08:40</p> <p>Firmware version 2H7_2000.000.000 2009.10.27 [XXXXXXXX] [XXXXXXXX] [XXXXXXXX]</p> <hr/> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: left;">Engine Information</th> <th style="width: 50%; text-align: left;">Send Information</th> </tr> </thead> <tbody> <tr> <td>(33) NVRAM Version _Bb04B29_Bb04B29</td> <td>(37) Date and Time 09/10/27</td> </tr> <tr> <td>(34) Scanner Version 2H7_1200.001.089</td> <td>(38) Address</td> </tr> <tr> <td>(35) FAX Slot1</td> <td></td> </tr> <tr> <td> FAX BOOT Version 3MB_5000.001.001</td> <td></td> </tr> <tr> <td> FAX APL Version 3MB_5100.001.001</td> <td></td> </tr> <tr> <td> FAX IPL Version 3MB_5200.001.001</td> <td></td> </tr> <tr> <td>(36) MAC Address 00:C0:EE:D0:01:0D</td> <td></td> </tr> </tbody> </table> <p>(39) 1/2 (40) 100/100 (41) 0/0/0/0/0/ (42) 0000000/0000000/0000000/0000000/0000000/0000000/0000000/ 0000000/0000000/0000000/0000000/0000000/0000000/0000000/0000000/0000000/0000000/0000000/0000000/ F00/U00/0/0/0/30/30/70/70/abcde/1/0 (43)(44)(45)(46)(47)(48)(49)(50)(51)(52)(53)(54)(55) (56) 0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/ 0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/0000/ (57) 0000/0100/0500/1000/0000/0100/0500/1000/0000/0100/0500/1000/0000/0100/0500/1000/0000/0100/0500/1000/ 0000/0100/0500/1000/0000/0100/0500/1000/0000/0100/0500/1000/0000/0100/0500/1000/0000/0100/0500/1000/ 00000000000000000000000000000000/00000000000000000000000000000000/00000000000000000000000000000000/ (58) (59) (60) (61) 0000000000000000/0000000000000000/0000000000000000/0000000000000000/00000000000000000000000000000000/ 00000000000000000000000000000000/00000000000000000000000000000000/00000000000000000000000000000000/ 00000000000000000000000000000000/00000000000000000000000000000000/00000000000000000000000000000000/ (62) 0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/ (63) 0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/ (64) 0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/ 0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/ (65) 0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/ (66) 0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/0000000000000000/ (67) 12345678/11223344/00001234abcd567800001234abcd5678/012345678901234567890123456789012345678901/0008/00/07 12345678/11223344/00001234abcd567800001234abcd5678/012345678901234567890123456789012345678901/0008/00/07 12345678/11223344/00001234abcd567800001234abcd5678/012345678901234567890123456789012345678901/0008/00/07 12345678/11223344/00001234abcd567800001234abcd5678/012345678901234567890123456789012345678901/0008/00/07 (68) XXXXXXXX [ABCDEFGHJIJ][ABCDEFGHJIJ] (69) (70) (71) 0000000000/F80C001A37/302A183C00/000100013D/8791BEC305/0000003100/000F5D0000/01FD000000/ 000000FB7/0000000000/0000260000/0000000000/0000000000/0000008400/0000000000/011E000F51/ 000000FB7/0000000000/0000260000/0000000000/0000 (72) ABCDEFGHIJ/ABCDEFGHJIJ/ABCDEFGHJIJ/ABCDEFGHJIJ/</p> </div>	Engine Information	Send Information	(33) NVRAM Version _Bb04B29_Bb04B29	(37) Date and Time 09/10/27	(34) Scanner Version 2H7_1200.001.089	(38) Address	(35) FAX Slot1		FAX BOOT Version 3MB_5000.001.001		FAX APL Version 3MB_5100.001.001		FAX IPL Version 3MB_5200.001.001		(36) MAC Address 00:C0:EE:D0:01:0D	
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Figure 1-3-3

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Maintenance item No.	Description		
U000	No.	Description	Supplement
	(33)	NV RAM version	_ Bb 04B29 _ Bb 04B29 (a) (b) (c) (d) (e) (f) (a) Consistency of the present software version and the database _ (underscore): OK * (Asterisk): NG (b) Database version (c) The oldest time stamp of database version (d) Consistency of the present software version and the ME firmware version _ (underscore): OK * (Asterisk): NG (e) ME firmware version (f) The oldest time stamp of the ME database version Normal if (a) and (d) are underscored, and (b) and (e) are identical with (c) and (f).
	(34)	Scanner firmware version	
	(35)	Fax firmware version	This item is printed only when the fax kit is installed.
	(36)	Mac address	
	(37)	The last sent date and time	
	(38)	Transmission address	
	(39)	Destination information/Area information	
	(40)	Margin settings	Top margin/Left margin
	(41)	Margin/Page length/Page width settings	Top margin integer part/Top margin decimal part/ Left margin integer part/Left margin decimal part/ Page length integer part/Page length decimal part/ Page width integer part/Page width decimal part
	(42)	Life counter (The first line)	Machine life counter/MP tray life counter/ Cassette 1 counter/Cassette 2 counter/ Cassette 3 counter/Cassette 4 counter/Duplex counter
		Life counter (The second line)	Drum unit K counter/Drum unit C counter/ Drum unit M counter/Drum unit Y counter/ Transfer belt unit counter/Developing unit K counter/ Developing unit C counter/Developing unit M counter/ Developing unit Y counter/Maintenance kit A counter/ Maintenance kit B counter
	(43)	Panel lock information	0: OFF/1: Partial lock/2: Full lock
	(44)	USB information	0: Not installed/1: Full speed/2: Hi speed
	(45)	Paper handling information	0: Paper source unit select/1: Paper source unit
(46)	Color printing double count mode	0: All single counts 1: A3, Single count, Less than 420 mm (length) 2: Legal, Single count, 356 mm or less (length) 3: Folio, Single count, Less than 330 mm (length)	
(47)	Black and white printing double count mode	0: All single counts 1: A3, Single count, Less than 420 mm (length) 2: Legal, Single count, 356 mm or less (length) 3: Folio, Single count, Less than 330 mm (length)	

Maintenance item No.	Description				
U000	<table border="1"> <thead> <tr> <th>No.</th> <th>Description</th> <th>Supplement</th> </tr> </thead> </table>		No.	Description	Supplement
	No.	Description	Supplement		
	(48)	Billing counting timing			
	(49)	Temperature (machine inside)			
	(50)	Temperature (machine outside)			
	(51)	Relative temperature (machine outside)			
	(52)	Absolute temperature (machine outside)			
	(53)	Fixed assets number			
	(54)	Job end judgment time-out time			
	(55)	Job end detection mode			
	(56)	Media type attributes 1 to 28 (Not used: 18, 19, 20)	Weight settings 0: Light/1: Normal 1 / 2: Normal 2 / 3: Normal 3/ 4: Heavy 1 / 5: Heavy 2 / 6: Heavy 3 / 7: Extra Heavy Fuser settings 0: High / 1: Middle / 2: Low / 3: Vellum Duplex settings 0: Disable / 1: Enable		
	(57)	Calibration information			
	(58)	Calibration information			
	(59)	Calibration information			
	(60)	Calibration information			
	(61)	Calibration information			
	(62)	Calibration information			
	(63)	Calibration information			
	(64)	Calibration information			
	(65)	Calibration information			
	(66)	Calibration information			
	(67)	RFID information			
	(68)	RFID reader/writer version information			
	(69)	Color table version			
(70)	Color table 2 version				
(71)	Maintenance information				
(72)	Drum serial number	Black/Cyan/Magenta/Yellow			

| **Completion** Press the stop key. The screen for selecting a maintenance item No. is displayed. | | |

Maintenance item No.	Description								
<p>U001</p>	<p>Exiting the maintenance mode Description Exits the maintenance mode and returns to the normal copy mode. Purpose To exit the maintenance mode. Method 1. Press the start key. The normal copy mode is entered.</p>								
<p>U002</p>	<p>Setting the factory default data Description Restores the machine conditions to the factory default settings. Purpose To move the mirror frame of the scanner to the position for transport (position in which the frame can be fixed). Method 1. Press the start key. 2. Press [MODE1(ALL)] 3. Press the start key. The mirror frame of the scanner returns to the position for transport. 4. Turn the main power switch off and on. For errors occurred, turn main power switch off then on, and execute initialization. Error codes</p> <table border="1"> <thead> <tr> <th>Codes</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>01 to 1F</td> <td>Counter error</td> </tr> <tr> <td>20 to 3F</td> <td>Engine error</td> </tr> <tr> <td>40 to 5F</td> <td>Scanner/DP error</td> </tr> </tbody> </table>	Codes	Description	01 to 1F	Counter error	20 to 3F	Engine error	40 to 5F	Scanner/DP error
Codes	Description								
01 to 1F	Counter error								
20 to 3F	Engine error								
40 to 5F	Scanner/DP error								
<p>U003</p>	<p>Setting the service telephone number Description Sets the telephone number to be displayed when a service call code is detected. Purpose To set the telephone number to call service when installing the machine. Method Press the start key. The currently set telephone number is displayed. Setting 1. Press the start key. The keys to enter the number are displayed on the touch panel. 2. Enter a telephone number (up to 15 digits). 3. Press the start key. The setting is set. Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>								

Maintenance item No.	Description										
U004	<p>Setting the machine number</p> <p>Description Sets or displays the machine number.</p> <p>Purpose To check or set the machine number.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. If the machine serial number of engine PWB matches with that of main PWB <table border="1"> <thead> <tr> <th>Display</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>MACHINE No.</td> <td>Displays the machine serial number</td> </tr> </tbody> </table> <p>If the machine serial number of engine PWB does not match with that of main PWB</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>MACHINE No. (MAIN)</td> <td>Displays the machine serial number of main</td> </tr> <tr> <td>MACHINE No. (ENGINE)</td> <td>Displays the machine serial number of engine</td> </tr> </tbody> </table> <p>Setting Carry out if the machine serial number does not match.</p> <ol style="list-style-type: none"> Press [EXECUTE]. Press the start key. Writing of serial No. starts. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Operation	MACHINE No.	Displays the machine serial number	Display	Operation	MACHINE No. (MAIN)	Displays the machine serial number of main	MACHINE No. (ENGINE)	Displays the machine serial number of engine
Display	Operation										
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MACHINE No. (ENGINE)	Displays the machine serial number of engine										

Maintenance item No.	Description																																																																		
<p>U019</p>	<p>Displaying the ROM version</p> <p>Description Displays the part number of the ROM fitted to each PWB.</p> <p>Purpose To check the part number or to decide, if the newest version of ROM is installed.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The ROM version are displayed. 2. Change the screen using the cursor up/down keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>MAIN</td><td>Main ROM</td></tr> <tr><td>MMI</td><td>Operation ROM</td></tr> <tr><td>ENGINE</td><td>Engine ROM</td></tr> <tr><td>ENGINE BOOT</td><td>Engine booting</td></tr> <tr><td>SCANNER</td><td>Scanner ROM</td></tr> <tr><td>BROWSER</td><td>Browser ROM</td></tr> <tr><td>OPTION LANGUAGE</td><td>Optional language ROM</td></tr> <tr><td>DICTIONARY</td><td>-</td></tr> <tr><td>DBA</td><td>Database connection</td></tr> <tr><td>Solution Framework</td><td>Framework</td></tr> <tr><td>COLOR TABLE1</td><td>Color table1</td></tr> <tr><td>COLOR TABLE2</td><td>Color table2</td></tr> <tr><td>MOTOR CPU</td><td>Motor CPU</td></tr> <tr><td>MOTOR CPU BOOT</td><td>Motor CPU booting</td></tr> <tr><td>H VLT CPU</td><td>High voltage CPU</td></tr> <tr><td>H VLT CPU BOOT</td><td>High voltage CPU booting</td></tr> <tr><td>SLEEP CPU</td><td>Sleep CPU</td></tr> <tr><td>SLEEP CPU BOOT</td><td>Sleep CPU booting</td></tr> <tr><td>DP</td><td>Optional DP ROM</td></tr> <tr><td>500x2PF</td><td>Optional paper feeder ROM</td></tr> <tr><td>3000PF</td><td>Optional 3000-sheet paper feeder ROM</td></tr> <tr><td>1000DF</td><td>Optional document finisher ROM</td></tr> <tr><td>3000DF MAIN</td><td>Optional 3000-sheet document finisher main ROM</td></tr> <tr><td>3000DF MIDDLE</td><td>Optional 3000-sheet document finisher Inner tray ROM</td></tr> <tr><td>MAIL BOX</td><td>Optional mailbox ROM</td></tr> <tr><td>BOOKLET</td><td>Optional center-folding unit ROM</td></tr> <tr><td>FAX BOOT1</td><td>Optional fax control PWB booting (port 1)</td></tr> <tr><td>FAX APL1</td><td>Optional fax control PWB APL (port 1)</td></tr> <tr><td>FAX IPL1</td><td>Optional fax control PWB IPL (port 1)</td></tr> <tr><td>FAX BOOT2</td><td>Fax control PWB booting (port 2: optional dual FAX)</td></tr> <tr><td>FAX APL2</td><td>Fax control PWB APL (port 2: optional dual FAX)</td></tr> <tr><td>FAX IPL2</td><td>Fax control PWB IPL (port 2: optional dual FAX)</td></tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MAIN	Main ROM	MMI	Operation ROM	ENGINE	Engine ROM	ENGINE BOOT	Engine booting	SCANNER	Scanner ROM	BROWSER	Browser ROM	OPTION LANGUAGE	Optional language ROM	DICTIONARY	-	DBA	Database connection	Solution Framework	Framework	COLOR TABLE1	Color table1	COLOR TABLE2	Color table2	MOTOR CPU	Motor CPU	MOTOR CPU BOOT	Motor CPU booting	H VLT CPU	High voltage CPU	H VLT CPU BOOT	High voltage CPU booting	SLEEP CPU	Sleep CPU	SLEEP CPU BOOT	Sleep CPU booting	DP	Optional DP ROM	500x2PF	Optional paper feeder ROM	3000PF	Optional 3000-sheet paper feeder ROM	1000DF	Optional document finisher ROM	3000DF MAIN	Optional 3000-sheet document finisher main ROM	3000DF MIDDLE	Optional 3000-sheet document finisher Inner tray ROM	MAIL BOX	Optional mailbox ROM	BOOKLET	Optional center-folding unit ROM	FAX BOOT1	Optional fax control PWB booting (port 1)	FAX APL1	Optional fax control PWB APL (port 1)	FAX IPL1	Optional fax control PWB IPL (port 1)	FAX BOOT2	Fax control PWB booting (port 2: optional dual FAX)	FAX APL2	Fax control PWB APL (port 2: optional dual FAX)	FAX IPL2	Fax control PWB IPL (port 2: optional dual FAX)
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Maintenance item No.	Description										
U021	<p>Memory initializing</p> <p>Description Initializes all settings, except those pertinent to the type of machine, namely each counter, service call history and mode setting. Also initializes backup RAM according to region specification selected in maintenance item U252 Setting the destination. Refer to *1 of the maintenance mode item list about the item initialized.</p> <p>Purpose To return the machine settings to their factory default.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [EXECUTE] on the touch panel. 3. Press the start key. All data other than that for adjustments due to variations between machines is initialized based on the destination setting. 4. Turn the main power switch off and on. For errors occurred, turn main power switch off then on, and execute initialization. <p>Error codes</p> <table border="1"> <thead> <tr> <th>Codes</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Configuration initialization error</td> </tr> <tr> <td>02</td> <td>Counter initialization error</td> </tr> <tr> <td>20</td> <td>Engine initialization error</td> </tr> <tr> <td>40</td> <td>Scanner initialization error</td> </tr> </tbody> </table>	Codes	Description	01	Configuration initialization error	02	Counter initialization error	20	Engine initialization error	40	Scanner initialization error
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U024	<p>HDD formatting</p> <p>Description Initializes the hard disk. In addition, the following settings are also initialized by initializing the hard disk. System menu (user login administration, job accounting, address book, one-touch keys and document box etc.), shortcuts and panel programs</p> <p>Purpose To initialize the hard disk when replacing the hard disk after shipping.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [EXECUTE] on the touch panel. 3. Press the start key to initialize the hard disk. 4. Turn the main power switch off and on. 										

Maintenance item No.	Description																								
U030	<p>Checking the operation of the motors</p> <p>Description Drives each motor.</p> <p>Purpose To check the operation of each motor.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the motor to be operated. 3. Press the start key. The operation starts. <table border="1"> <thead> <tr> <th>Display</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>Feed Motor</td> <td>Paper conveying motor (PCM) is turned ON</td> </tr> <tr> <td>DLP(Bk) Motor</td> <td>Developing motor K (DEVM-K) is turned ON</td> </tr> <tr> <td>DLP (Color) Motor</td> <td>Developing motor MCY (DEVM-MCY) is turned ON</td> </tr> <tr> <td>Fuser Motor</td> <td>Fuser motor (FUM) is turned ON</td> </tr> <tr> <td>Exit Motor(CW)</td> <td>Eject motor (EM) is turned on clockwise</td> </tr> <tr> <td>Exit Motor(CCW)</td> <td>Eject motor (EM) is turned on counterclockwise</td> </tr> <tr> <td>Color Release Motor</td> <td>Color release motor (CRM) is turned ON</td> </tr> <tr> <td>Guide Motor</td> <td>Rotary guide motor (RGM) is turned ON</td> </tr> <tr> <td>DU Motor</td> <td>Duplex motor (DUM) is turned ON</td> </tr> <tr> <td>Job Separator Motor</td> <td>Job eject motor (JEM) is turned ON (option)</td> </tr> <tr> <td>Regist Motor*</td> <td>Registration motor (RM) is turned ON</td> </tr> </tbody> </table> <p>*: 40/40, 50/40 ppm model only.</p> <ol style="list-style-type: none"> 4. To stop operation, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Operation	Feed Motor	Paper conveying motor (PCM) is turned ON	DLP(Bk) Motor	Developing motor K (DEVM-K) is turned ON	DLP (Color) Motor	Developing motor MCY (DEVM-MCY) is turned ON	Fuser Motor	Fuser motor (FUM) is turned ON	Exit Motor(CW)	Eject motor (EM) is turned on clockwise	Exit Motor(CCW)	Eject motor (EM) is turned on counterclockwise	Color Release Motor	Color release motor (CRM) is turned ON	Guide Motor	Rotary guide motor (RGM) is turned ON	DU Motor	Duplex motor (DUM) is turned ON	Job Separator Motor	Job eject motor (JEM) is turned ON (option)	Regist Motor*	Registration motor (RM) is turned ON
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Maintenance item No.	Description																																
U031	<p>Checking switches and sensors for paper conveying</p> <p>Description Displays the on-off status of each paper detection switch or sensor on the paper path.</p> <p>Purpose To check if the switches and sensor for paper conveying operate correctly.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Turn each switch or sensor on and off manually to check the status. When a switch or sensor is detected to be in the ON position, the display for that switch or sensor will be highlighted. <table border="1"> <thead> <tr> <th>Display</th> <th>Switches and sensors</th> </tr> </thead> <tbody> <tr> <td>MPF Unit</td> <td>MP tray switch (MPTSW)</td> </tr> <tr> <td>MPF Feed1 JAM</td> <td>MP paper feed switch (MPPFSW)</td> </tr> <tr> <td>MPF Feed2 JAM</td> <td>MP paper conveying switch (MPPCSW)</td> </tr> <tr> <td>Cassette1 JAM</td> <td>Feed switch 1 (FSW1)</td> </tr> <tr> <td>Cassette2 JAM</td> <td>Feed switch 2 (FSW2)</td> </tr> <tr> <td>Desk/Deck JAM</td> <td>Feed switch 3 (FSW3)</td> </tr> <tr> <td>Regist Roller JAM</td> <td>Registration switch (RSW)</td> </tr> <tr> <td>Fuser JAM</td> <td>Loop sensor (LS)</td> </tr> <tr> <td>Exit JAM</td> <td>Eject switch (ESW)</td> </tr> <tr> <td>DU Feed1 JAM</td> <td>Feedshift switch (FSSW)</td> </tr> <tr> <td>DU Feed2 JAM</td> <td>Duplex switch (DUSW)</td> </tr> <tr> <td>Paper Full</td> <td>Paper full sensor (PFS)</td> </tr> <tr> <td>JobSepa FIN Exit JAM</td> <td>Finisher eject switch (FESW) (option)</td> </tr> <tr> <td>JobSepa Inner JAM1</td> <td>Job eject switch (JESW) (option)</td> </tr> <tr> <td>JobSepa Inner JAM2</td> <td>Job separator eject switch (JBESW) (option)</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Switches and sensors	MPF Unit	MP tray switch (MPTSW)	MPF Feed1 JAM	MP paper feed switch (MPPFSW)	MPF Feed2 JAM	MP paper conveying switch (MPPCSW)	Cassette1 JAM	Feed switch 1 (FSW1)	Cassette2 JAM	Feed switch 2 (FSW2)	Desk/Deck JAM	Feed switch 3 (FSW3)	Regist Roller JAM	Registration switch (RSW)	Fuser JAM	Loop sensor (LS)	Exit JAM	Eject switch (ESW)	DU Feed1 JAM	Feedshift switch (FSSW)	DU Feed2 JAM	Duplex switch (DUSW)	Paper Full	Paper full sensor (PFS)	JobSepa FIN Exit JAM	Finisher eject switch (FESW) (option)	JobSepa Inner JAM1	Job eject switch (JESW) (option)	JobSepa Inner JAM2	Job separator eject switch (JBESW) (option)
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U032	<p>Checking the operation of the clutches</p> <p>Description Turns each clutch on.</p> <p>Purpose To check the operation of each clutch.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the clutch to be operated. 3. Press the start key. The clutch turns on for 1 s. <table border="1"> <thead> <tr> <th>Display</th> <th>Clutches</th> </tr> </thead> <tbody> <tr> <td>Feed1 Clutch</td> <td>Paper feed clutch 1 (PFCL1)</td> </tr> <tr> <td>Feed2 Clutch</td> <td>Paper feed clutch 2(PFCL2)</td> </tr> <tr> <td>MPF Feeder On/Off Clutch</td> <td>MP paper feed clutch (MPPFCL)</td> </tr> <tr> <td>MID Roller Clutch</td> <td>Middle clutch (MCL) (25/25, 30/30 ppm model only)</td> </tr> <tr> <td>Vertical CONV. Clutch1</td> <td>Feed clutch 1 (FCL1) (40/40, 50/40 ppm model only)</td> </tr> <tr> <td>MPF Feed Clutch</td> <td>MP paper conveying clutch (MPPCCL)</td> </tr> <tr> <td>Regist Clutch</td> <td>Registration clutch (RCL) (25/25, 30/30 ppm model only)</td> </tr> <tr> <td>Vertical CONV. Clutch2</td> <td>Feed clutch 2 (FCL2) (40/40, 50/40 ppm model only)</td> </tr> <tr> <td>Fuser Release Clutch</td> <td>Fuser clutch (FUCL)</td> </tr> <tr> <td>MOTOR ON</td> <td>The paper conveying motor (PCM) is turned ON.</td> </tr> </tbody> </table> <p>To stop motor driving, press [MOTOR ON] again.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Clutches	Feed1 Clutch	Paper feed clutch 1 (PFCL1)	Feed2 Clutch	Paper feed clutch 2(PFCL2)	MPF Feeder On/Off Clutch	MP paper feed clutch (MPPFCL)	MID Roller Clutch	Middle clutch (MCL) (25/25, 30/30 ppm model only)	Vertical CONV. Clutch1	Feed clutch 1 (FCL1) (40/40, 50/40 ppm model only)	MPF Feed Clutch	MP paper conveying clutch (MPPCCL)	Regist Clutch	Registration clutch (RCL) (25/25, 30/30 ppm model only)	Vertical CONV. Clutch2	Feed clutch 2 (FCL2) (40/40, 50/40 ppm model only)	Fuser Release Clutch	Fuser clutch (FUCL)	MOTOR ON	The paper conveying motor (PCM) is turned ON.
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Fuser Release Clutch	Fuser clutch (FUCL)																						
MOTOR ON	The paper conveying motor (PCM) is turned ON.																						
U033	<p>Checking the operation of the solenoids</p> <p>Description Applies current to each solenoid in order to check its ON status.</p> <p>Purpose To check the operation of each solenoid.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the solenoid to be operated. 3. Press the start key. The solenoid turns on for 1 s. <table border="1"> <thead> <tr> <th>Display</th> <th>Solenoids</th> </tr> </thead> <tbody> <tr> <td>Eject Branch Solenoid</td> <td>Job feedshift solenoid (JFSSOL)</td> </tr> <tr> <td>MPT Pick up Solenoid</td> <td>MP solenoid (MPSOL)</td> </tr> <tr> <td>MOTOR ON</td> <td>The paper conveying motor (PCM) is turned ON.</td> </tr> </tbody> </table> <p>To stop motor driving, press [MOTOR ON] again.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Solenoids	Eject Branch Solenoid	Job feedshift solenoid (JFSSOL)	MPT Pick up Solenoid	MP solenoid (MPSOL)	MOTOR ON	The paper conveying motor (PCM) is turned ON.														
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Maintenance item No.	Description																																																																									
U034	<p>Adjusting the print start timing</p> <p>Description Adjusts the leading edge registration or center line.</p> <p>Purpose Make the adjustment if there is a regular error between the leading edges of the copy image and original. Make the adjustment if there is a regular error between the center lines of the copy image and original.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>LSUOUT TOP</td> <td>Leading edge registration adjustment</td> </tr> <tr> <td>LSUOUT LEFT</td> <td>Center line adjustment</td> </tr> <tr> <td>LSUOUT TOP B/W*</td> <td>Leading edge registration adjustment in black/white mode</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <p>Adjustment: Leading edge registration adjustment</p> <ol style="list-style-type: none"> 1. Select [LSUOUT TOP] or [LSUOUT TOP B/W]. 2. Select the item. When [LSUOUT TOP] is selected. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Default setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>LSUOUT TOP MPT (L)</td> <td>Paper feed from MP tray (when large size paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP MPT Half (L)</td> <td>Paper feed from MP tray (when large size thick paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP CAS (L)</td> <td>Paper feed from cassette (when large size paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP CAS Half (L)</td> <td>Paper feed from cassette (when large size thick paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP DUP (L)</td> <td>Duplex mode (second) (when large size paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP DUP Half (L)</td> <td>Duplex mode (second) (when large size thick paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP MPT (S)</td> <td>Paper feed from MP tray (when small size paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP MPT Half (S)</td> <td>Paper feed from MP tray (when small size thick paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP CAS (S)</td> <td>Paper feed from cassette (when small size paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP CAS Half (S)</td> <td>Paper feed from cassette (when small size thick paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP DUP (S)</td> <td>Duplex mode (second) (when small size paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>LSUOUT TOP DUP Half (S)</td> <td>Duplex mode (second) (when small size thick paper is used)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> </tbody> </table> <p>Large size: 218 mm or more in width of paper.</p>	Display	Description	LSUOUT TOP	Leading edge registration adjustment	LSUOUT LEFT	Center line adjustment	LSUOUT TOP B/W*	Leading edge registration adjustment in black/white mode	Display	Description	Setting range	Default setting	Change in value per step	LSUOUT TOP MPT (L)	Paper feed from MP tray (when large size paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP MPT Half (L)	Paper feed from MP tray (when large size thick paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP CAS (L)	Paper feed from cassette (when large size paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP CAS Half (L)	Paper feed from cassette (when large size thick paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP DUP (L)	Duplex mode (second) (when large size paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP DUP Half (L)	Duplex mode (second) (when large size thick paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP MPT (S)	Paper feed from MP tray (when small size paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP MPT Half (S)	Paper feed from MP tray (when small size thick paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP CAS (S)	Paper feed from cassette (when small size paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP CAS Half (S)	Paper feed from cassette (when small size thick paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP DUP (S)	Duplex mode (second) (when small size paper is used)	-3.0 to 3.0	0	0.1 mm	LSUOUT TOP DUP Half (S)	Duplex mode (second) (when small size thick paper is used)	-3.0 to 3.0	0	0.1 mm
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Large size: 218 mm or more in width of paper.

3. Press the system menu key.
4. Press the start key to output a test pattern.
5. Press the system menu key.
6. Change the setting value using the +/- or numeric keys.

For output example 1, increase the value. For output example 2, decrease the value.

Leading edge registration (20 ± 1.5 mm)

Correct image Output example 1 Output example 2

Figure 1-3-4

7. Press the start key. The value is set.

Remark

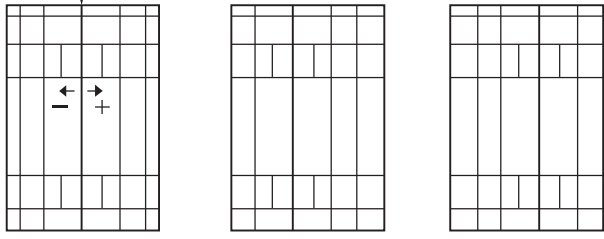
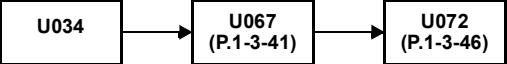
When changing the setting value of [Large] each item is modified, equal to amount of the value which is changed adds also the value of [Small] each item and is pulled.

Caution

Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.

```

graph LR
    U034[U034] --> U066[U066 (P.1-3-40)]
    U066 --> U071[U071 (P.1-3-44)]
    
```

Maintenance item No.	Description				
U034	Adjustment: Center line adjustment				
	1. Select the item.				
	LSUOUT LEFT (MPT)	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm
	LSUOUT LEFT (CAS 1)	Paper feed from cassette 1	-3.0 to 3.0	0	0.1 mm
	LSUOUT LEFT (CAS 2)	Paper feed from cassette 2	-3.0 to 3.0	0	0.1 mm
	LSUOUT LEFT (CAS 3)	Paper feed from optional cassette 3	-3.0 to 3.0	0	0.1 mm
	LSUOUT LEFT (CAS 4)	Paper feed from optional cassette 4	-3.0 to 3.0	0	0.1 mm
	LSUOUT LEFT (DUP)	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm
	2. Press the system menu key. 3. Press the start key to output a test pattern. 4. Press the system menu key. 5. Change the setting value using the +/- or numeric keys. For output example 1, increase the value. For output example 2, decrease the value.				
<div style="text-align: center;"> <p>Center line of printing (within ± 0.5 mm)</p>  <p>Correct image Output example 1 Output example 2</p> </div>					
Figure 1-3-5					
6. Press the start key. The value is set.					
Remark If the setting value for feeding from the MP tray is changed, the difference from the former value is added to or subtracted from the values of other items.					
Caution Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.					
<div style="text-align: center;">  </div>					
Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.					

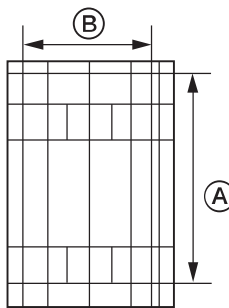
Maintenance item No.	Description																														
U035	<p>Setting the printing area for folio paper</p> <p>Description Changes the printing area for copying on folio paper.</p> <p>Purpose To prevent cropped images on the trailing edge or left/right side of copy paper by setting the actual printing area for folio paper.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>LENGTH DATA</td> <td>Length</td> <td>330 to 356 mm</td> <td>330</td> </tr> <tr> <td>WIDTH DATA</td> <td>Width</td> <td>200 to 220 mm</td> <td>210</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	LENGTH DATA	Length	330 to 356 mm	330	WIDTH DATA	Width	200 to 220 mm	210																		
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U037	<p>Checking the operation of the fan motors</p> <p>Description Drives the fan motors.</p> <p>Purpose To check the operation of the fan motors.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the motor to be operated. 3. Press the start key. The operation starts. <table border="1"> <thead> <tr> <th>Display</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>Fixing Fan</td> <td>Fuser fan motor (FUFM) is turned on.</td> </tr> <tr> <td>Developing Fan</td> <td>Developing fan motor 1, 2 (DEVFM1, 2) are turned on.</td> </tr> <tr> <td>LSU Rear Fan</td> <td>Developing fan motor 5 (DEVFM5) is turned on.</td> </tr> <tr> <td>Mid Transfer Fan</td> <td>Transfer fan motor 1 (TRFM1) is turned on.</td> </tr> <tr> <td>Power Source Fan</td> <td>Power source fan motor 1, 2 (PSFM1, 2) is turned on.</td> </tr> <tr> <td>Conveying Fan</td> <td>Paper conveying fan motor 1, 2 (PCFM1, 2) are turned on.</td> </tr> <tr> <td>CONT Fan</td> <td>Container fan motor (CFM) is turned on.</td> </tr> <tr> <td>POLYGON Motor Fan</td> <td>LSU fan motor (LSUFM) is turned on.</td> </tr> <tr> <td>Rotary Guide Fan</td> <td>Rotary fan motor (RFM) is turned on.</td> </tr> <tr> <td>Loop Sensor Fan</td> <td>Loop fan motor (LFM) is turned on.</td> </tr> <tr> <td>Mid Transfer Belt Fan</td> <td>Transfer fan motor 2, 3 (TRFM2, 3) is turned on.</td> </tr> <tr> <td>Eject Fan</td> <td>Eject fan motor (EFM) is turned on.</td> </tr> <tr> <td>ISU Fan</td> <td>Scanner fan motor (SFM) is turned on.</td> </tr> <tr> <td>ALL</td> <td>All fan motors are turned on.</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. To stop operation, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Operation	Fixing Fan	Fuser fan motor (FUFM) is turned on.	Developing Fan	Developing fan motor 1, 2 (DEVFM1, 2) are turned on.	LSU Rear Fan	Developing fan motor 5 (DEVFM5) is turned on.	Mid Transfer Fan	Transfer fan motor 1 (TRFM1) is turned on.	Power Source Fan	Power source fan motor 1, 2 (PSFM1, 2) is turned on.	Conveying Fan	Paper conveying fan motor 1, 2 (PCFM1, 2) are turned on.	CONT Fan	Container fan motor (CFM) is turned on.	POLYGON Motor Fan	LSU fan motor (LSUFM) is turned on.	Rotary Guide Fan	Rotary fan motor (RFM) is turned on.	Loop Sensor Fan	Loop fan motor (LFM) is turned on.	Mid Transfer Belt Fan	Transfer fan motor 2, 3 (TRFM2, 3) is turned on.	Eject Fan	Eject fan motor (EFM) is turned on.	ISU Fan	Scanner fan motor (SFM) is turned on.	ALL	All fan motors are turned on.
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U051	<p>Adjusting the deflection in the paper</p> <p>Description Adjusts the deflection in the paper at the registration roller.</p> <p>Purpose Make the adjustment if the leading edge of the copy image is missing or varies randomly, or if the copy paper is Z-folded.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Paper Loop Amount</td> <td>Deflection adjustment</td> </tr> <tr> <td>Paper Loop Amount B/W*</td> <td>Deflection adjustment in black and white mode</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <p>Adjustment</p> <ol style="list-style-type: none"> 1. Select the item. When [Paper Loop Amount] is selected <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>MPT (Large)</td> <td>Paper feed from MP tray (when large size paper is used)</td> <td>-30 to 20</td> <td>0</td> <td>1 mm</td> </tr> <tr> <td>MPT Half (L)</td> <td>Paper feed from MP tray (when large size thick paper is used)</td> <td>-30 to 20</td> <td>7⁻¹/1⁻²</td> <td>1 mm</td> </tr> <tr> <td>Cassette (L)</td> <td>Paper feed from cassette (when large size paper is used)</td> <td>-30 to 20</td> <td>1</td> <td>1 mm</td> </tr> <tr> <td>Cassette Half (L)</td> <td>Paper feed from cassette (when large size thick paper is used)</td> <td>-30 to 20</td> <td>7⁻¹/1⁻²</td> <td>1 mm</td> </tr> <tr> <td>Duplex (L)</td> <td>Duplex mode (second) (when large size paper is used)</td> <td>-30 to 20</td> <td>-2⁻¹/01⁻²</td> <td>1 mm</td> </tr> <tr> <td>Duplex Half (L)</td> <td>Duplex mode (second) (when large size thick paper is used)</td> <td>-30 to 20</td> <td>7⁻¹/6⁻²</td> <td>1 mm</td> </tr> <tr> <td>MPT (Small)</td> <td>Paper feed from MP tray (when small size paper is used)</td> <td>-30 to 20</td> <td>0</td> <td>1 mm</td> </tr> <tr> <td>MPT Half (S)</td> <td>Paper feed from MP tray (when small size thick paper is used)</td> <td>-30 to 20</td> <td>-2⁻¹/-9⁻²</td> <td>1 mm</td> </tr> <tr> <td>Cassette (S)</td> <td>Paper feed from cassette (when small size paper is used)</td> <td>-30 to 20</td> <td>0</td> <td>1 mm</td> </tr> <tr> <td>Cassette Half (S)</td> <td>Paper feed from cassette (when small size thick paper is used)</td> <td>-30 to 20</td> <td>-2⁻¹/-9⁻²</td> <td>1 mm</td> </tr> <tr> <td>Duplex (S)</td> <td>Duplex mode (second) (when small size paper is used)</td> <td>-30 to 20</td> <td>0</td> <td>1 mm</td> </tr> <tr> <td>Duplex Half (S)</td> <td>Duplex mode (second) (when small size thick paper is used)</td> <td>-30 to 20</td> <td>-2⁻¹/-4⁻²</td> <td>1 mm</td> </tr> </tbody> </table> <p>Large size: 218 mm or more in width of paper. *1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model</p>				Display	Description	Paper Loop Amount	Deflection adjustment	Paper Loop Amount B/W*	Deflection adjustment in black and white mode	Display	Description	Setting range	Initial setting	Change in value per step	MPT (Large)	Paper feed from MP tray (when large size paper is used)	-30 to 20	0	1 mm	MPT Half (L)	Paper feed from MP tray (when large size thick paper is used)	-30 to 20	7 ⁻¹ /1 ⁻²	1 mm	Cassette (L)	Paper feed from cassette (when large size paper is used)	-30 to 20	1	1 mm	Cassette Half (L)	Paper feed from cassette (when large size thick paper is used)	-30 to 20	7 ⁻¹ /1 ⁻²	1 mm	Duplex (L)	Duplex mode (second) (when large size paper is used)	-30 to 20	-2 ⁻¹ /01 ⁻²	1 mm	Duplex Half (L)	Duplex mode (second) (when large size thick paper is used)	-30 to 20	7 ⁻¹ /6 ⁻²	1 mm	MPT (Small)	Paper feed from MP tray (when small size paper is used)	-30 to 20	0	1 mm	MPT Half (S)	Paper feed from MP tray (when small size thick paper is used)	-30 to 20	-2 ⁻¹ /-9 ⁻²	1 mm	Cassette (S)	Paper feed from cassette (when small size paper is used)	-30 to 20	0	1 mm	Cassette Half (S)	Paper feed from cassette (when small size thick paper is used)	-30 to 20	-2 ⁻¹ /-9 ⁻²	1 mm	Duplex (S)	Duplex mode (second) (when small size paper is used)	-30 to 20	0	1 mm	Duplex Half (S)	Duplex mode (second) (when small size thick paper is used)	-30 to 20	-2 ⁻¹ /-4 ⁻²	1 mm
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Duplex (L)	Duplex mode (second) (when large size paper is used)	-30 to 20	-2 ⁻¹ /01 ⁻²	1 mm																																																																							
Duplex Half (L)	Duplex mode (second) (when large size thick paper is used)	-30 to 20	7 ⁻¹ /6 ⁻²	1 mm																																																																							
MPT (Small)	Paper feed from MP tray (when small size paper is used)	-30 to 20	0	1 mm																																																																							
MPT Half (S)	Paper feed from MP tray (when small size thick paper is used)	-30 to 20	-2 ⁻¹ /-9 ⁻²	1 mm																																																																							
Cassette (S)	Paper feed from cassette (when small size paper is used)	-30 to 20	0	1 mm																																																																							
Cassette Half (S)	Paper feed from cassette (when small size thick paper is used)	-30 to 20	-2 ⁻¹ /-9 ⁻²	1 mm																																																																							
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Duplex Half (S)	Duplex mode (second) (when small size thick paper is used)	-30 to 20	-2 ⁻¹ /-4 ⁻²	1 mm																																																																							

Maintenance item No.	Description				
U051	When [Set Paper Loop Amount BW] is selected				
	Display	Description	Setting range	Initial setting	Change in value per step
	MPT (Large) B/W	Paper feed from MP tray (when large size paper is used)	-30 to 20	0	1 mm
	Cassette (L) B/W	Paper feed from cassette (when large size paper is used)	-30 to 20	1	1 mm
	MPT (Small) B/W	Paper feed from MP tray (when small size paper is used)	-30 to 20	0	1 mm
	Cassette (S) B/W	Paper feed from cassette (when small size paper is used)	-30 to 20	0	1 mm
	Large size: 218 mm or more in width of paper.				
	2. Press the system menu key.				
	3. Place an original and press the start key to make a test copy.				
	4. Press the system menu key.				
	5. Change the setting value using the +/- or numeric keys.				
	For output example 1, increase the value. For output example 2, decrease the value.				
	The greater the value, the larger the deflection; the smaller the value, the smaller the deflection.				
	<p style="text-align: center;">Original Copy example 1 Copy example 2</p>				
	Figure 1-3-6				
	6. Press the start key. The value is set.				
	Remark				
	When changing the setting value of [Large] each item is modified, equal to amount of the value which is changed adds also the value of [Small] each item and is pulled.				
	Completion				
	Press the stop key. The indication for selecting a maintenance item No. appears.				

Maintenance item No.	Description																																																																					
U052	<p>Setting the fuser motor control</p> <p>Description Enters the sensor data values described on the supplied sheet provided when the loop sensor is replaced and performs correction processing for the fuser motor.</p> <p>Purpose To perform when replacing the loop sensor or paper conveying unit.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Set Loop Sensor</td> <td>Enter the data value for loop sensor</td> </tr> <tr> <td>Loop Sensor Control</td> <td>Set the loop sensor detection control</td> </tr> <tr> <td>Loop Sensor Valid*</td> <td>Set whether to enable or disable the loop sensor</td> </tr> </tbody> </table> <p>*: 25/25, 30/30 ppm model only.</p> <p>Method: [Set Loop Sensor]</p> <ol style="list-style-type: none"> 1. Select [Scanning Board1]. 2. Enter the sensor data value of supplied sheet DATA1 using the cursor +/- keys. 3. Select [Scanning Board2]. 4. Enter the sensor data value of supplied sheet DATA2 using the cursor +/- keys. 5. Press the start key. The value is set. <p style="text-align: right;">How to read the sensor data value (e.g.)</p> <table border="1"> <tbody> <tr><td>1</td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>○</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td>○</td></tr> <tr><td>5</td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td>○</td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td></tr> <tr><td>0</td><td></td><td></td><td></td></tr> </tbody> </table> <p style="text-align: center;">↓ ↓ ↓ 3 6 4</p> <p>Setting: [Loop Sensor Control]</p> <ol style="list-style-type: none"> 1. Select the item. 2. Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Top 125mm</td> <td>Sensor detection ON/OFF setting at 125 to 250 mm from the top of paper</td> <td>OFF</td> </tr> <tr> <td>Top 250mm</td> <td>Sensor detection ON/OFF setting at 250 to 290 mm from the top of paper</td> <td>ON</td> </tr> <tr> <td>Top 300mm</td> <td>Sensor detection ON/OFF setting at 300 to 330 mm from the top of paper</td> <td>ON</td> </tr> <tr> <td>Top 350mm</td> <td>Sensor detection ON/OFF setting at 350 to 370 mm from the top of paper</td> <td>ON</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Setting: [Loop Sensor Valid]</p> <ol style="list-style-type: none"> 1. Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Loop sensor is enabled</td> </tr> <tr> <td>OFF</td> <td>Loop sensor is disabled</td> </tr> </tbody> </table> <p>Initial setting: OFF</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. <p>Completion Press the stop key. The indication for selecting a maintenance item No. appears.</p>	Display	Description	Set Loop Sensor	Enter the data value for loop sensor	Loop Sensor Control	Set the loop sensor detection control	Loop Sensor Valid*	Set whether to enable or disable the loop sensor	1				2				3	○			4			○	5				6		○		7				8				9				0				Display	Description	Initial setting	Top 125mm	Sensor detection ON/OFF setting at 125 to 250 mm from the top of paper	OFF	Top 250mm	Sensor detection ON/OFF setting at 250 to 290 mm from the top of paper	ON	Top 300mm	Sensor detection ON/OFF setting at 300 to 330 mm from the top of paper	ON	Top 350mm	Sensor detection ON/OFF setting at 350 to 370 mm from the top of paper	ON	Display	Description	ON	Loop sensor is enabled	OFF	Loop sensor is disabled
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U053	<p>Setting the adjustment of the motor speed</p> <p>Description Performs fine adjustment of the speeds of the motors.</p> <p>Purpose Basically, the setting need not be changed. Modify settings by interlock setting only if faulty images occur.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Set MOTOR1</td> <td>Adjustment of drum motor M, C, Y, K speeds</td> </tr> <tr> <td>Set MOTOR2</td> <td>Adjustment of developing motor K, developing motor MCY, transfer motor, polygon motor, middle motor and registration motor speeds</td> </tr> <tr> <td>Set MOTOR3</td> <td>Adjustment of MP motor, eject motor, job eject motor, fuser motor and duplex motor speeds</td> </tr> <tr> <td>Set MOTOR4*</td> <td>Drum motor K speed adjustment in black/white mode</td> </tr> <tr> <td>Set MOTOR5*</td> <td>Adjustment of developing motor K, transfer motor, polygon motor, middle motor and registration motor speeds in black/white mode</td> </tr> <tr> <td>Set MOTOR6*</td> <td>Adjustment of MP motor, eject motor, job eject motor, fuser motor and duplex motor speeds in black/white mode</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <p>Setting: [Set MOTOR1]</p> <ol style="list-style-type: none"> 1. 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Maintenance item No.	Description																												
U053	Setting: [Set MOTOR3] 1. Select the item to be adjusted.																												
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Setting: [Set MOTOR4] 1. Select the item to be adjusted.																													
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Adjustment 1. Press the system menu key. 2. Press the start key to output an A3/Ledger test pattern.																													
 <p>Correct values for an A3/Ledger output are: A = 350 ± 0.5 mm B = 250 ± 0.5 mm</p>																													
Figure 1-3-7																													

Maintenance item No.	Description																								
U053	<p>3. Press the system menu key.</p> <p>4. A: Magnification in the auxiliary scanning direction 1) Select [transfer motor]. 2) Change the setting value using the +/- or numeric keys. Increasing the setting makes the image longer in the auxiliary scanning direction, and decreasing it makes the image shorter in the auxiliary scanning direction.</p> <p>B: Magnification in the main scanning direction 1) Select [polygon motor]. 2) Change the setting value using the +/- or numeric keys. Increasing the setting makes the image shorter in the main scanning direction, and decreasing it makes the image longer in the main scanning direction.</p> <p>5. Press the start key. The value is set. After adjustment, run the maintenance item U001 to exit the maintenance mode. And then turn the main power switch off, then on again.</p> <p>Completion Press the stop key. The indication for selecting a maintenance item No. appears.</p>																								
U059	<p>Setting fan mode</p> <p>Description Specifies mode for paper conveying fan motors during conveying paper.</p> <p>Purpose Change mode to MODE2 of operation mode if paper crease occurs when simplex-printing using A4/Letter size paper or when printing using B4 size paper. If the sound of the motor is disagreeable, change the threshold value of the temperature at which the fans operate to limit operation.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the mode. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Set Operation Mode</td> <td>Sets operation mode of paper conveying fan motors.</td> </tr> <tr> <td>Set Timing</td> <td>Sets timings to activate paper conveying fan motors.</td> </tr> <tr> <td>Set FAN Mode</td> <td>Sets temperature at which paper conveying fan motors operate.</td> </tr> </tbody> </table> <p>Setting: [Set Operation Mode]</p> <ol style="list-style-type: none"> 1. Select the mode. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>Do not drive paper conveying fan motor.</td> </tr> <tr> <td>MODE1</td> <td>Drives paper conveying fan motors when A3/Ledger size paper is used or when the second side of A4/Letter size paper is printed during duplex-printing.</td> </tr> <tr> <td>MODE2</td> <td>Drives paper conveying fan motors only when A4/Letter, A3/Ledger and B4 size paper is used.</td> </tr> </tbody> </table> <p>Initial setting: MODE1</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. <p>Setting: [Set Timing]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Set Timing</td> <td>Timing for paper conveying fan motors</td> <td>-800 to 800 (ms)</td> <td>0</td> </tr> </tbody> </table> <p>A larger value advances the operating timing, and a smaller value slows it.</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	Set Operation Mode	Sets operation mode of paper conveying fan motors.	Set Timing	Sets timings to activate paper conveying fan motors.	Set FAN Mode	Sets temperature at which paper conveying fan motors operate.	Display	Description	OFF	Do not drive paper conveying fan motor.	MODE1	Drives paper conveying fan motors when A3/Ledger size paper is used or when the second side of A4/Letter size paper is printed during duplex-printing.	MODE2	Drives paper conveying fan motors only when A4/Letter, A3/Ledger and B4 size paper is used.	Display	Description	Setting range	Initial setting	Set Timing	Timing for paper conveying fan motors	-800 to 800 (ms)	0
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MODE2	Drives paper conveying fan motors only when A4/Letter, A3/Ledger and B4 size paper is used.																								
Display	Description	Setting range	Initial setting																						
Set Timing	Timing for paper conveying fan motors	-800 to 800 (ms)	0																						

Maintenance item No.	Description								
U059	<p>Setting: [Set FAN Mode]</p> <ol style="list-style-type: none"> Select the mode. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MODE1</td> <td>Temperature at which paper conveying fan motors operate: High</td> </tr> <tr> <td>MODE2</td> <td>Temperature at which paper conveying fan motors operate: Normal</td> </tr> <tr> <td>MODE3</td> <td>Temperature at which paper conveying fan motors operate: Low</td> </tr> </tbody> </table> <p>Initial setting: MODE2</p> <ol style="list-style-type: none"> Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MODE1	Temperature at which paper conveying fan motors operate: High	MODE2	Temperature at which paper conveying fan motors operate: Normal	MODE3	Temperature at which paper conveying fan motors operate: Low
Display	Description								
MODE1	Temperature at which paper conveying fan motors operate: High								
MODE2	Temperature at which paper conveying fan motors operate: Normal								
MODE3	Temperature at which paper conveying fan motors operate: Low								
U061	<p>Checking the operation of the exposure lamp</p> <p>Description Lights the exposure lamp.</p> <p>Purpose To check whether the exposure lamp are turned ON.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CCD</td> <td>The exposure lamp lights</td> </tr> <tr> <td>CIS</td> <td>The CIS lights (when dual scan DP is installed)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The lamp lights. To turn the lamp off, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	CCD	The exposure lamp lights	CIS	The CIS lights (when dual scan DP is installed)		
Display	Description								
CCD	The exposure lamp lights								
CIS	The CIS lights (when dual scan DP is installed)								


Maintenance item No.	Description																				
<p>U063</p>	<p>Adjusting the shading position</p> <p>Description Changes the shading position of the scanner.</p> <p>Purpose Used when the white line continue to appear longitudinally on the image after the shading plate is cleaned. This is due to flaws or stains inside the shading plate. To prevent this problem, the shading position should be changed so that shading is possible without being affected by the flaws or stains.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting using the +/- or numeric keys. <p>40/40, 50/40 ppm models</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA</td> <td>Shading position</td> <td>0 to 18</td> <td>0</td> <td>0.113 mm</td> </tr> </tbody> </table> <p>25/25, 30/30 ppm models</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA</td> <td>Shading position</td> <td>0 to 24</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <p>Increasing the value moves the shading position toward the machine left, and decreasing it moves the position toward the machine right.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA	Shading position	0 to 18	0	0.113 mm	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA	Shading position	0 to 24	0	0.085 mm
Display	Description	Setting range	Initial setting	Change in value per step																	
ADJUST DATA	Shading position	0 to 18	0	0.113 mm																	
Display	Description	Setting range	Initial setting	Change in value per step																	
ADJUST DATA	Shading position	0 to 24	0	0.085 mm																	


Maintenance item No.	Description															
U065	<p>Adjusting the scanner magnification</p> <p>Description Adjusts the magnification of the original scanning.</p> <p>Purpose Make the adjustment if the magnification in the main scanning direction is incorrect. Make the adjustment if the magnification in the auxiliary scanning direction is incorrect.</p> <p>Caution Adjust the magnification of the scanner in the following order.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <pre> graph LR U053["U053 (P.1-3-34)"] --> U065_1["U065 (main scanning direction)"] U065_1 --> U065_2["U065 (auxiliary scanning direction)"] U065_2 --> U067["U067 (P.1-3-41)"] U067 --> U070["U070 (P.1-3-43)"] </pre> </div> <p>Method</p> <ol style="list-style-type: none"> Press the start key. Select the item to be adjusted. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>MAIN SCAN ADJ</td> <td>Scanner magnification in the main scanning direction</td> <td>-15 to 15</td> <td>0</td> <td>0.1 %</td> </tr> <tr> <td>SUB SCAN ADJ</td> <td>Scanner magnification in the auxiliary scanning direction</td> <td>-25 to 25</td> <td>0</td> <td>0.1 %</td> </tr> </tbody> </table> <p>Adjustment: [MAIN SCAN ADJ]</p> <ol style="list-style-type: none"> Press the system menu key. Place an original and press the start key to make a test copy. Press the system menu key. Change the setting value using the +/- or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div style="text-align: center;"> <p>Original Copy example 1 Copy example 2</p> </div> <p style="text-align: center;">Figure 1-3-8</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Adjustment: [SUB SCAN ADJ]</p> <ol style="list-style-type: none"> Press the system menu key. Place an original and press the start key to make a test copy. Press the system menu key. Change the setting value using the +/- or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div style="text-align: center;"> <p>Original Copy example 1 Copy example 2</p> </div> <p style="text-align: center;">Figure 1-3-9</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	MAIN SCAN ADJ	Scanner magnification in the main scanning direction	-15 to 15	0	0.1 %	SUB SCAN ADJ	Scanner magnification in the auxiliary scanning direction	-25 to 25	0	0.1 %
Display	Description	Setting range	Initial setting	Change in value per step												
MAIN SCAN ADJ	Scanner magnification in the main scanning direction	-15 to 15	0	0.1 %												
SUB SCAN ADJ	Scanner magnification in the auxiliary scanning direction	-25 to 25	0	0.1 %												

Maintenance item No.	Description																														
U066	<p>Adjusting the scanner leading edge registration</p> <p>Description Adjusts the scanner leading edge registration of the original scanning.</p> <p>Purpose Make the adjustment if there is a regular error between the leading edges of the copy image and original.</p> <p>Adjustment</p> <ol style="list-style-type: none"> Press the start key. Select the item to be adjusted. 40/40, 50/40 ppm model <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Display</th> <th style="text-align: left;">Description</th> <th style="text-align: left;">Setting range</th> <th style="text-align: left;">Initial setting</th> <th style="text-align: left;">Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA1</td> <td>Scanner leading edge registration</td> <td>-45 to 45</td> <td>0</td> <td>0.113 mm</td> </tr> <tr> <td>ADJUST DATA2</td> <td>Scanner leading edge registration (rotate copying)</td> <td>-45 to 45</td> <td>0</td> <td>0.113 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 25/25, 30/30 ppm model <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Display</th> <th style="text-align: left;">Description</th> <th style="text-align: left;">Setting range</th> <th style="text-align: left;">Initial setting</th> <th style="text-align: left;">Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA1</td> <td>Scanner leading edge registration</td> <td>-60 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>ADJUST DATA2</td> <td>Scanner leading edge registration (rotate copying)</td> <td>-60 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the system menu key. Place an original and press the start key to make a test copy. Press the system menu key. Change the setting value using the +/- or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div style="text-align: center; margin: 10px 0;"> <p>Scanner leading edge registration (within ± 2.5 mm)</p> <p>Original Copy example 1 Copy example 2</p> </div> <p style="text-align: center;">Figure 1-3-10</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Caution Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div style="text-align: center; margin: 10px 0;"> <pre> graph LR U066[U066] --> U403[U403 (P.1-3-115)] U403 --> U071[U071 (P.1-3-44)] U071 --> U404[U404 (P.1-3-116)] </pre> </div> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA1	Scanner leading edge registration	-45 to 45	0	0.113 mm	ADJUST DATA2	Scanner leading edge registration (rotate copying)	-45 to 45	0	0.113 mm	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA1	Scanner leading edge registration	-60 to 60	0	0.085 mm	ADJUST DATA2	Scanner leading edge registration (rotate copying)	-60 to 60	0	0.085 mm
Display	Description	Setting range	Initial setting	Change in value per step																											
ADJUST DATA1	Scanner leading edge registration	-45 to 45	0	0.113 mm																											
ADJUST DATA2	Scanner leading edge registration (rotate copying)	-45 to 45	0	0.113 mm																											
Display	Description	Setting range	Initial setting	Change in value per step																											
ADJUST DATA1	Scanner leading edge registration	-60 to 60	0	0.085 mm																											
ADJUST DATA2	Scanner leading edge registration (rotate copying)	-60 to 60	0	0.085 mm																											

Maintenance item No.	Description																														
U067	<p>Adjusting the scanner center line Adjusts the scanner center line of the original scanning.</p> <p>Purpose Make the adjustment if there is a regular error between the center lines of the copy image and original.</p> <p>Adjustment</p> <ol style="list-style-type: none"> Press the start key. Select the item to be adjusted. 40/40, 50/40 ppm mode <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA1</td> <td>Scanner center line</td> <td>-35 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>ADJUST DATA2</td> <td>Scanner center line (rotate copying)</td> <td>-40 to 40</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <p>25/25, 30/30 ppm mode</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA1</td> <td>Scanner center line</td> <td>-40 to 40</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>ADJUST DATA2</td> <td>Scanner center line (rotate copying)</td> <td>-40 to 40</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the system menu key. Place an original and press the start key to make a test copy. Press the system menu key. Change the setting value using the +/- or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div style="text-align: center;"> <p>Scanner center line (within ± 2.0 mm)</p> <p>Original Copy example 1 Copy example 2</p> </div> <p style="text-align: center;">Figure 1-3-11</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Caution Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <pre> graph LR U067[U067] --> U403[U403 (P.1-3-115)] U403 --> U072[U072 (P.1-3-46)] U072 --> U404[U404 (P.1-3-116)] </pre> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA1	Scanner center line	-35 to 60	0	0.085 mm	ADJUST DATA2	Scanner center line (rotate copying)	-40 to 40	0	0.085 mm	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA1	Scanner center line	-40 to 40	0	0.085 mm	ADJUST DATA2	Scanner center line (rotate copying)	-40 to 40	0	0.085 mm
Display	Description	Setting range	Initial setting	Change in value per step																											
ADJUST DATA1	Scanner center line	-35 to 60	0	0.085 mm																											
ADJUST DATA2	Scanner center line (rotate copying)	-40 to 40	0	0.085 mm																											
Display	Description	Setting range	Initial setting	Change in value per step																											
ADJUST DATA1	Scanner center line	-40 to 40	0	0.085 mm																											
ADJUST DATA2	Scanner center line (rotate copying)	-40 to 40	0	0.085 mm																											

Maintenance item No.	Description																														
U068	<p>Adjusting the scanning position for originals from the DP</p> <p>Description Adjusts the position for scanning originals from the DP. Performs the test copy at the four scanning positions after adjusting.</p> <p>Purpose Used when the image fogging occurs because the scanning position is not proper when the DP is used. Run U071 to adjust the timing of DP leading edge when the scanning position is changed.</p> <p>Setting</p> <ol style="list-style-type: none"> Press the start key. 40/40, 50/40 ppm model <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA</td> <td>Starting position adjustment for scanning originals</td> <td>-55 to 55</td> <td>0</td> <td>0.113 mm</td> </tr> <tr> <td>TEST POSITION</td> <td>Scanning position for the test copy originals</td> <td>0 to 3</td> <td>0</td> <td>-</td> </tr> </tbody> </table> <p>25/25, 30/30 ppm model</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA</td> <td>Starting position adjustment for scanning originals</td> <td>-70 to 70</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>TEST POSITION</td> <td>Scanning position for the test copy originals</td> <td>0 to 3</td> <td>0</td> <td>-</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Select [ADJUST DATA] of the screen for selecting an item. Change the setting using the +/- or numeric keys. When the setting value is increased, the scanning position moves to the right and it moves to the left when the setting value is decreased. Press the start key. The value is set. Select [TEST POSITION] of the screen for selecting an item. Select the scanning position using the +/- or numeric keys. Press the start key. The value is set. Set the original (the one which density is known) in the DP and press the system menu key. The screen for the test copy mode is displayed. Press the start key. Test copy is executed. Perform the test copy at each scanning position with the setting value from 0 to 3 and check that no black line appears and the image is normally scanned. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA	Starting position adjustment for scanning originals	-55 to 55	0	0.113 mm	TEST POSITION	Scanning position for the test copy originals	0 to 3	0	-	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA	Starting position adjustment for scanning originals	-70 to 70	0	0.085 mm	TEST POSITION	Scanning position for the test copy originals	0 to 3	0	-
Display	Description	Setting range	Initial setting	Change in value per step																											
ADJUST DATA	Starting position adjustment for scanning originals	-55 to 55	0	0.113 mm																											
TEST POSITION	Scanning position for the test copy originals	0 to 3	0	-																											
Display	Description	Setting range	Initial setting	Change in value per step																											
ADJUST DATA	Starting position adjustment for scanning originals	-70 to 70	0	0.085 mm																											
TEST POSITION	Scanning position for the test copy originals	0 to 3	0	-																											

Maintenance item No.	Description																									
U070	<p>Adjusting the DP magnification</p> <p>Description Adjusts the DP original scanning speed.</p> <p>Purpose Make the adjustment if the magnification is incorrect in the auxiliary scanning direction when the DP is used.</p> <p>Adjustment</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>CONVEY SPEED1</td> <td>Magnification in the auxiliary scanning direction of CCD (first side)</td> <td>-25 to 25</td> <td>0</td> <td>0.1 %</td> </tr> <tr> <td>CONVEY SPEED2</td> <td>Magnification in the auxiliary scanning direction of CCD (second side)</td> <td>-25 to 25</td> <td>0</td> <td>0.1 %</td> </tr> <tr> <td>CIS MAIN ADJ*</td> <td>Magnification in the main scanning direction of CIS</td> <td>-20 to 20</td> <td>0</td> <td>0.1 %</td> </tr> <tr> <td>CIS SUB ADJ*</td> <td>Magnification in the auxiliary scanning direction of CIS</td> <td>-50 to 50</td> <td>0</td> <td>0.05 %</td> </tr> </tbody> </table> <p>*: Dual scan DP only.</p> <ol style="list-style-type: none"> 3. Press the system menu key. 4. Place an original on the DP and press the start key to make a test copy. 5. Press the system menu key. 6. Change the setting value using the +/- or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div style="text-align: center;">  <p>Original Copy example 1 Copy example 2</p> </div> <p>Figure 1-3-12</p> <ol style="list-style-type: none"> 7. Press the start key. The value is set. <p>Caution Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <pre> graph LR U070[U070] --> U071[U071 (P.1-3-44)] U071 --> U404[U404 (P.1-3-116)] </pre> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	CONVEY SPEED1	Magnification in the auxiliary scanning direction of CCD (first side)	-25 to 25	0	0.1 %	CONVEY SPEED2	Magnification in the auxiliary scanning direction of CCD (second side)	-25 to 25	0	0.1 %	CIS MAIN ADJ*	Magnification in the main scanning direction of CIS	-20 to 20	0	0.1 %	CIS SUB ADJ*	Magnification in the auxiliary scanning direction of CIS	-50 to 50	0	0.05 %
Display	Description	Setting range	Initial setting	Change in value per step																						
CONVEY SPEED1	Magnification in the auxiliary scanning direction of CCD (first side)	-25 to 25	0	0.1 %																						
CONVEY SPEED2	Magnification in the auxiliary scanning direction of CCD (second side)	-25 to 25	0	0.1 %																						
CIS MAIN ADJ*	Magnification in the main scanning direction of CIS	-20 to 20	0	0.1 %																						
CIS SUB ADJ*	Magnification in the auxiliary scanning direction of CIS	-50 to 50	0	0.05 %																						

Maintenance item No.	Description																																						
<p>U071</p>	<p>Adjusting the DP scanning timing</p> <p>Description Adjusts the DP original scanning timing.</p> <p>Purpose Make the adjustment if there is a regular error between the leading or trailing edges of the original and the copy image when the DP is used.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA1</td> <td>Leading edge registration of CCD (first side)</td> <td>-32 to 32</td> <td>0</td> <td>0.174 mm</td> </tr> <tr> <td>ADJUST DATA2</td> <td>Trailing edge registration of CCD (first side)</td> <td>-32 to 28</td> <td>0</td> <td>0.174 mm</td> </tr> <tr> <td>ADJUST DATA3</td> <td>Leading edge registration of CCD (second side)</td> <td>-32 to 32</td> <td>0</td> <td>0.174 mm</td> </tr> <tr> <td>ADJUST DATA4</td> <td>Trailing edge registration of CCD (second side)</td> <td>-32 to 32</td> <td>0</td> <td>0.174 mm</td> </tr> <tr> <td>ADJUST DATA5*</td> <td>Leading edge registration of CIS</td> <td>-45 to 45</td> <td>0</td> <td>0.174 mm</td> </tr> <tr> <td>ADJUST DATA6*</td> <td>Trailing edge registration of CIS</td> <td>-45 to 45</td> <td>0</td> <td>0.174 mm</td> </tr> </tbody> </table> <p>*: Dual scan DP only.</p> <p>Adjustment: Leading edge registration</p> <ol style="list-style-type: none"> 1. Press the system menu key. 2. Place an original on the DP and press the start key to make a test copy. 3. Press the system menu key. 4. Change the setting value using the +/- or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div style="text-align: center;">  <p>Original Copy example 1 Copy example 2</p> </div> <p style="text-align: center;">Figure 1-3-13</p> <ol style="list-style-type: none"> 5. Press the start key. The value is set. <p>Caution If the CCD first side is adjusted, check the CCD second side and if adjustment is required, carry out the adjustment. Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div style="text-align: center;"> <table border="1"> <tr> <td style="padding: 5px;">U071</td> <td style="text-align: center;">→</td> <td style="padding: 5px;">U404 (P.1-3-116)</td> </tr> </table> </div>	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA1	Leading edge registration of CCD (first side)	-32 to 32	0	0.174 mm	ADJUST DATA2	Trailing edge registration of CCD (first side)	-32 to 28	0	0.174 mm	ADJUST DATA3	Leading edge registration of CCD (second side)	-32 to 32	0	0.174 mm	ADJUST DATA4	Trailing edge registration of CCD (second side)	-32 to 32	0	0.174 mm	ADJUST DATA5*	Leading edge registration of CIS	-45 to 45	0	0.174 mm	ADJUST DATA6*	Trailing edge registration of CIS	-45 to 45	0	0.174 mm	U071	→	U404 (P.1-3-116)
Display	Description	Setting range	Initial setting	Change in value per step																																			
ADJUST DATA1	Leading edge registration of CCD (first side)	-32 to 32	0	0.174 mm																																			
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ADJUST DATA3	Leading edge registration of CCD (second side)	-32 to 32	0	0.174 mm																																			
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ADJUST DATA6*	Trailing edge registration of CIS	-45 to 45	0	0.174 mm																																			
U071	→	U404 (P.1-3-116)																																					

Maintenance item No.	Description			
U071	<p>Adjustment: Trailing edge registration</p> <ol style="list-style-type: none"> 1. Press the system menu key. 2. Place an original on the DP and press the start key to make a test copy. 3. Press the system menu key. 4. Change the setting value using the +/- or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div style="text-align: center;"> <p>Original Copy example 1 Copy example 2</p> </div> <p style="text-align: center;">Figure 1-3-14</p> <ol style="list-style-type: none"> 5. Press the start key. The value is set. <p>Caution If the CCD first side is adjusted, check the CCD second side and if adjustment is required, carry out the adjustment. Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div style="text-align: center;"> <table border="1"> <tr> <td style="padding: 5px;">U071</td> <td style="text-align: center;">→</td> <td style="padding: 5px;">U404 (P.1-3-116)</td> </tr> </table> </div> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	U071	→	U404 (P.1-3-116)
U071	→	U404 (P.1-3-116)		

Maintenance item No.	Description																																								
<p>U072</p>	<p>Adjusting the DP center line</p> <p>Description Adjusts the scanning start position for the DP original.</p> <p>Purpose Make the adjustment if there is a regular error between the centers of the original and the copy image when the DP is used.</p> <p>Adjustment</p> <ol style="list-style-type: none"> Press the start key. Select the item to be adjusted. 40/40, 50/40 ppm model <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA1</td> <td>DP center line of CCD (first side)</td> <td>-35 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>ADJUST DATA2</td> <td>DP center line of CCD (second side)</td> <td>-35 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>ADJUST DATA3*</td> <td>DP center line of CIS</td> <td>-39 to 39</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <p>25/25, 30/30 ppm model</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA1</td> <td>DP center line of CCD (first side)</td> <td>-40 to 40</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>ADJUST DATA2</td> <td>DP center line of CCD (second side)</td> <td>-40 to 40</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>ADJUST DATA3*</td> <td>DP center line of CIS</td> <td>-39 to 39</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <p>*: Dual scan DP only.</p> <ol style="list-style-type: none"> Press the system menu key. Place an original on the DP and press the start key to make a test copy. Press the system menu key. Change the setting value using the +/- or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div style="text-align: center;"> </div> <p>Figure 1-3-15</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Caution If the CCD first side is adjusted, check the CCD second side and if adjustment is required, carry out the adjustment. Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div style="text-align: center;"> </div> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA1	DP center line of CCD (first side)	-35 to 60	0	0.085 mm	ADJUST DATA2	DP center line of CCD (second side)	-35 to 60	0	0.085 mm	ADJUST DATA3*	DP center line of CIS	-39 to 39	0	0.085 mm	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA1	DP center line of CCD (first side)	-40 to 40	0	0.085 mm	ADJUST DATA2	DP center line of CCD (second side)	-40 to 40	0	0.085 mm	ADJUST DATA3*	DP center line of CIS	-39 to 39	0	0.085 mm
Display	Description	Setting range	Initial setting	Change in value per step																																					
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ADJUST DATA2	DP center line of CCD (second side)	-40 to 40	0	0.085 mm																																					
ADJUST DATA3*	DP center line of CIS	-39 to 39	0	0.085 mm																																					

Maintenance item No.	Description																																																						
U073	<p>Checking the scanner operation</p> <p>Description Simulates the scanner operation under the arbitrary conditions.</p> <p>Purpose To check the scanner operation.</p> <p>Start</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be operated. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>SCANNER MOTOR</td> <td>Scanner operation</td> </tr> <tr> <td>HOME POSITION</td> <td>Home position operation</td> </tr> <tr> <td>DUST CHECK</td> <td>Dust adhesion check operation with lamp on</td> </tr> <tr> <td>DP READING</td> <td>DP scanning position operation</td> </tr> </tbody> </table> <p>Setting: [SCANNER MOTOR]</p> <ol style="list-style-type: none"> 1. Select [SCANNER MOTOR]. 2. Select the item. 3. Change the setting using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Operating conditions</th> <th>Setting range</th> </tr> </thead> <tbody> <tr> <td>ZOOM</td> <td>Magnification</td> <td>25 to 400 %</td> </tr> <tr> <td>SIZE</td> <td>Original size</td> <td>See below.</td> </tr> <tr> <td>LAMP</td> <td>On and off of the exposure lamp</td> <td>0 (off) or 1 (on)</td> </tr> </tbody> </table> <p>Original sizes for each setting in SIZE</p> <table border="1"> <thead> <tr> <th>Setting</th> <th>Paper size</th> <th>Setting</th> <th>Paper size</th> </tr> </thead> <tbody> <tr> <td>5000</td> <td>A4</td> <td>5000</td> <td>A5R</td> </tr> <tr> <td>4300</td> <td>B5</td> <td>7800</td> <td>Folio</td> </tr> <tr> <td>5100</td> <td>11" x 8 1/2"</td> <td>10200</td> <td>11" x 17"</td> </tr> <tr> <td>10000</td> <td>A3</td> <td>9000</td> <td>11" x 15"</td> </tr> <tr> <td>8600</td> <td>B4</td> <td>8400</td> <td>8 1/2" x 14"</td> </tr> <tr> <td>7100</td> <td>A4R</td> <td>6600</td> <td>8 1/2" x 11"</td> </tr> <tr> <td>6100</td> <td>B5R</td> <td>5100</td> <td>5 1/2" x 8 1/2"</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the start key. Scanning starts under the selected conditions. 5. To stop operation, press the stop key. <p>Method: [HOME POSITION]</p> <ol style="list-style-type: none"> 1. Select [HOME POSITION]. 2. Press the start key. The mirror frame of the scanner moves to the home position. <p>Method: [DUST CHECK]</p> <ol style="list-style-type: none"> 1. Select [DUST CHECK]. 2. Press the start key. The exposure lamp lights. 3. To turn the exposure lamp off, press the stop key. <p>Method: [DP READING]</p> <ol style="list-style-type: none"> 1. Select [DP READING]. 2. Press the start key. The mirror frame of the scanner moves to the reading position. <p>Completion Press the stop key when scanning stops. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	SCANNER MOTOR	Scanner operation	HOME POSITION	Home position operation	DUST CHECK	Dust adhesion check operation with lamp on	DP READING	DP scanning position operation	Display	Operating conditions	Setting range	ZOOM	Magnification	25 to 400 %	SIZE	Original size	See below.	LAMP	On and off of the exposure lamp	0 (off) or 1 (on)	Setting	Paper size	Setting	Paper size	5000	A4	5000	A5R	4300	B5	7800	Folio	5100	11" x 8 1/2"	10200	11" x 17"	10000	A3	9000	11" x 15"	8600	B4	8400	8 1/2" x 14"	7100	A4R	6600	8 1/2" x 11"	6100	B5R	5100	5 1/2" x 8 1/2"
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6100	B5R	5100	5 1/2" x 8 1/2"																																																				

Maintenance item No.	Description												
U074	<p>Adjusting the DP input light luminosity</p> <p>Description Sets the luminosity correction for scanning originals from the DP.</p> <p>Purpose Modify the setting only if a spotted background appears when a bluish original is scanned from the DP.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>INPUT DATA</td> <td>DP input light luminosity correction</td> <td>0 to 3</td> <td>0</td> </tr> </tbody> </table> <p>Settings 0: No correction / 1: Slight correction / 2: Medium correction / 3: Strong correction</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	INPUT DATA	DP input light luminosity correction	0 to 3	0				
Display	Description	Setting range	Initial setting										
INPUT DATA	DP input light luminosity correction	0 to 3	0										
U080	<p>Setting the economy mode</p> <p>Description Sets the level in the economy mode.</p> <p>Purpose To increase or decrease the image density in the eco-print mode.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA1</td> <td>For full color and 2 color copy mode</td> <td>0 to 100</td> <td>60</td> </tr> <tr> <td>ADJUST DATA2</td> <td>For black/white and single color mode</td> <td>0 to 100</td> <td>60</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Change the setting value using the +/- or numeric keys. Increasing the setting makes the image darker; decreasing it makes the image lighter. 4. Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	ADJUST DATA1	For full color and 2 color copy mode	0 to 100	60	ADJUST DATA2	For black/white and single color mode	0 to 100	60
Display	Description	Setting range	Initial setting										
ADJUST DATA1	For full color and 2 color copy mode	0 to 100	60										
ADJUST DATA2	For black/white and single color mode	0 to 100	60										

Maintenance item No.	Description																												
U081	<p>Adjusting the correct exposure</p> <p>Description Adjusts the correct exposure in text and photo mode, text mode or photo mode.</p> <p>Purpose To be executed as required.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>MIX ADJ (FULL)</td> <td>Adjusts the correct exposure in full color text and photo mode</td> <td>-3 to 3</td> <td>0</td> </tr> <tr> <td>TEXT ADJ (FULL)</td> <td>Adjusts the correct exposure in full color text mode</td> <td>-3 to 3</td> <td>0</td> </tr> <tr> <td>PHOTO ADJ (FULL)</td> <td>Adjusts the correct exposure in full color photo mode</td> <td>-3 to 3</td> <td>0</td> </tr> <tr> <td>MIX ADJ (MONO)</td> <td>Adjusts the correct exposure in black/white text and photo mode</td> <td>-3 to 3</td> <td>0</td> </tr> <tr> <td>TEXT ADJ (MONO)</td> <td>Adjusts the correct exposure in black/white text mode</td> <td>-3 to 3</td> <td>0</td> </tr> <tr> <td>PHOTO ADJ (MONO)</td> <td>Adjusts the correct exposure in black/white photo mode</td> <td>-3 to 3</td> <td>0</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Change the setting using the +/- or numeric keys. Increasing the setting makes the image darker; decreasing it makes the image lighter. 4. Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	MIX ADJ (FULL)	Adjusts the correct exposure in full color text and photo mode	-3 to 3	0	TEXT ADJ (FULL)	Adjusts the correct exposure in full color text mode	-3 to 3	0	PHOTO ADJ (FULL)	Adjusts the correct exposure in full color photo mode	-3 to 3	0	MIX ADJ (MONO)	Adjusts the correct exposure in black/white text and photo mode	-3 to 3	0	TEXT ADJ (MONO)	Adjusts the correct exposure in black/white text mode	-3 to 3	0	PHOTO ADJ (MONO)	Adjusts the correct exposure in black/white photo mode	-3 to 3	0
Display	Description	Setting range	Initial setting																										
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PHOTO ADJ (FULL)	Adjusts the correct exposure in full color photo mode	-3 to 3	0																										
MIX ADJ (MONO)	Adjusts the correct exposure in black/white text and photo mode	-3 to 3	0																										
TEXT ADJ (MONO)	Adjusts the correct exposure in black/white text mode	-3 to 3	0																										
PHOTO ADJ (MONO)	Adjusts the correct exposure in black/white photo mode	-3 to 3	0																										

Maintenance item No.	Description																						
<p>U087</p>	<p>Setting DP reading position modification operation</p> <p>Description The presence or absence of dust is determined by comparing the scan data of the original trailing edge and that taken after the original is conveyed past the DP original scanning position. If dust is identified, the DP original scanning position is adjusted for the following originals.</p> <p>Purpose When using DP, to solve the problem when black lines occurs due to the dust with respect to original reading position.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CCD</td> <td>Setting of standard data when dust is detected.</td> </tr> <tr> <td>BLACK LINE</td> <td>Initialization of original reading position.</td> </tr> </tbody> </table> <p>Setting: [CCD]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>CCD R</td> <td>Lowest density of the R regard as the dust</td> <td>0 to 255</td> <td>145</td> </tr> <tr> <td>CCD G</td> <td>Lowest density of the G regard as the dust</td> <td>0 to 255</td> <td>145</td> </tr> <tr> <td>CCD B</td> <td>Lowest density of the B regard as the dust</td> <td>0 to 255</td> <td>145</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Method: [BLACK LINE]</p> <ol style="list-style-type: none"> 1. Select [CLEAR]. 2. Press the start key. The setting is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	CCD	Setting of standard data when dust is detected.	BLACK LINE	Initialization of original reading position.	Display	Description	Setting range	Initial setting	CCD R	Lowest density of the R regard as the dust	0 to 255	145	CCD G	Lowest density of the G regard as the dust	0 to 255	145	CCD B	Lowest density of the B regard as the dust	0 to 255	145
Display	Description																						
CCD	Setting of standard data when dust is detected.																						
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CCD G	Lowest density of the G regard as the dust	0 to 255	145																				
CCD B	Lowest density of the B regard as the dust	0 to 255	145																				

Maintenance item No.	Description																											
U089	<p>Outputting the MIP-PG pattern</p> <p>Description Selects and outputs the MIP-PG pattern created by the machine.</p> <p>Purpose To check machine status other than scanner when adjusting image printing, using MIP-PG pattern output (without scanning).</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the MIP-PG pattern to be output and press the start key. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Purpose</th> </tr> </thead> <tbody> <tr> <td>256GRADATION</td> <td>256-gradation PG</td> <td>To check the gradation reproducibility</td> </tr> <tr> <td>COLOR BELT</td> <td>Four color belts PG</td> <td>To check the developing state and the engine section ID</td> </tr> <tr> <td>GRAY(C)</td> <td>Cyan PG</td> <td>To check the drum quality</td> </tr> <tr> <td>GRAY(M)</td> <td>Magenta PG</td> <td>To check the drum quality</td> </tr> <tr> <td>GRAY(Y)</td> <td>Yellow PG</td> <td>To check the drum quality</td> </tr> <tr> <td>GRAY(K)</td> <td>Black PG</td> <td>To check the drum quality</td> </tr> <tr> <td>WHITE</td> <td>Blank paper PG</td> <td>To check the drum quality</td> </tr> <tr> <td>GRADATION GRAY</td> <td>5-gradation gray PG</td> <td>To check for vertical lines on the laser scanner unit</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the system menu key. 4. Press the start key. A MIP-PG pattern is output. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Purpose	256GRADATION	256-gradation PG	To check the gradation reproducibility	COLOR BELT	Four color belts PG	To check the developing state and the engine section ID	GRAY(C)	Cyan PG	To check the drum quality	GRAY(M)	Magenta PG	To check the drum quality	GRAY(Y)	Yellow PG	To check the drum quality	GRAY(K)	Black PG	To check the drum quality	WHITE	Blank paper PG	To check the drum quality	GRADATION GRAY	5-gradation gray PG	To check for vertical lines on the laser scanner unit
Display	Description	Purpose																										
256GRADATION	256-gradation PG	To check the gradation reproducibility																										
COLOR BELT	Four color belts PG	To check the developing state and the engine section ID																										
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GRAY(K)	Black PG	To check the drum quality																										
WHITE	Blank paper PG	To check the drum quality																										
GRADATION GRAY	5-gradation gray PG	To check for vertical lines on the laser scanner unit																										

Maintenance item No.	Description																																																				
U091	<p>Setting the white line correction</p> <p>Description Sets the error detection threshold value for white line correction and displays the count result of abnormal pixels.</p> <p>Purpose To perform when replacing the CIS, DP driver PWB or CIS roller.</p> <p>Method: white line correction</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [EXECUTE]. 3. Press the start key. Holding of white reference data is started. 4. The count result of abnormal pixels is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Calculation(R)</td> <td>Abnormal pixel count result for color R</td> </tr> <tr> <td>Calculation(G)</td> <td>Abnormal pixel count result for color G</td> </tr> <tr> <td>Calculation(B)</td> <td>Abnormal pixel count result for color B</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 5. Press the system menu key. 6. Place a gray original on the DP with the gray side down. Load paper in the cassette. The paper should be the same size as the original. 7. Press the start key. Two test pattern sheets will be printed. (1st sheet: blank sheet, 2nd sheet: Approx. 60 mm black band) 8. If no vertical lines appear on either sheet, the setting has been completed normally. If vertical black lines appear on the blank sheet and vertical white lines appear in the black band in the same position, clean the CIS roller and the CIS glass and then repeat white line correction. If vertical black lines or vertical white lines appear on both sheets, white line correction has been completed normally. However, the cause of the vertical lines lies in the engine, and thus the engine must be checked. <p>How to view test copies</p> <table border="1"> <thead> <tr> <th>blank sheet</th> <th>black band</th> <th>Causes</th> <th>Corrective measures</th> </tr> </thead> <tbody> <tr> <td>No lines</td> <td>No lines</td> <td>-</td> <td>Complete</td> </tr> <tr> <td>Black lines</td> <td>White lines</td> <td>Dirty CIS roller or CIS glass</td> <td>Clean CIS roller or CIS glass and then perform U091 again</td> </tr> <tr> <td>Black lines</td> <td>No lines</td> <td>Engine side</td> <td>U091 ends, check engine</td> </tr> <tr> <td>No lines</td> <td>White lines</td> <td>Engine side</td> <td>U091 ends, check engine</td> </tr> </tbody> </table> <p>Setting: Threshold value setting</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Threshold(R)</td> <td>Displaying of abnormal pixel detection threshold value for color R</td> <td>-</td> <td>-</td> </tr> <tr> <td>Threshold(G)</td> <td>Displaying of abnormal pixel detection threshold value for color G</td> <td>-</td> <td>-</td> </tr> <tr> <td>Threshold(Com)*</td> <td>Setting of abnormal pixel detection threshold value for color</td> <td>0 to 1023</td> <td>112</td> </tr> <tr> <td>Abnorm Pixel Threshold</td> <td>Abnormal pixel threshold value setting</td> <td>0 to 8191</td> <td>75</td> </tr> <tr> <td>MODE</td> <td>Switching between white line correction mode ON/OFF</td> <td>0: OFF/1: ON/ 2: Test mode</td> <td>0</td> </tr> </tbody> </table> <p>*: Normally the Threshold (Com) value should not be changed from 112, the initial setting. If white lines appear even though the CIS roller and glass are not dirty, raise the set value. If fine lines in some originals disappear, lower the set value. Set within the range 50 to 200. (If set outside this range, the image may be affected.)</p>	Display	Description	Calculation(R)	Abnormal pixel count result for color R	Calculation(G)	Abnormal pixel count result for color G	Calculation(B)	Abnormal pixel count result for color B	blank sheet	black band	Causes	Corrective measures	No lines	No lines	-	Complete	Black lines	White lines	Dirty CIS roller or CIS glass	Clean CIS roller or CIS glass and then perform U091 again	Black lines	No lines	Engine side	U091 ends, check engine	No lines	White lines	Engine side	U091 ends, check engine	Display	Description	Setting range	Initial setting	Threshold(R)	Displaying of abnormal pixel detection threshold value for color R	-	-	Threshold(G)	Displaying of abnormal pixel detection threshold value for color G	-	-	Threshold(Com)*	Setting of abnormal pixel detection threshold value for color	0 to 1023	112	Abnorm Pixel Threshold	Abnormal pixel threshold value setting	0 to 8191	75	MODE	Switching between white line correction mode ON/OFF	0: OFF/1: ON/ 2: Test mode	0
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U093	Adjusting the exposure density gradient Description Changes the exposure density gradient in the manual density mode, depending on respective image quality modes. Purpose To set how the image density is altered by a change of one step in the manual density adjustment for respective image quality modes. Also used to make copy images darker or lighter. Start <ol style="list-style-type: none"> 1. Press the start key. 2. Select the image quality mode. The setting screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>TEXT</td> <td>Density in the text mode</td> </tr> <tr> <td>MIXED</td> <td>Density in the text and photo mode</td> </tr> <tr> <td>OTHER</td> <td>Density in modes other than the text mode or the text and photo mode</td> </tr> <tr> <td>FAX TEXT</td> <td>Density in the text in fax mode</td> </tr> <tr> <td>FAX PHOTO</td> <td>Density in the photo in fax mode</td> </tr> </tbody> </table> Setting: [TEXT] <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>TEXT F/C DARKER</td> <td>Change in density when manual density is set dark (full color mode)</td> <td>0 to 3</td> <td>0</td> </tr> <tr> <td>TEXT F/C LIGHTER</td> <td>Change in density when manual density is set light (full color mode)</td> <td>0 to 3</td> <td>0</td> </tr> <tr> <td>TEXT MONO DARKER</td> <td>Change in density when manual density is set dark (single color mode)</td> <td>0 to 3</td> <td>0</td> </tr> <tr> <td>TEXT MONO LIGHTER</td> <td>Change in density when manual density is set light (single color mode)</td> <td>0 to 3</td> <td>0</td> </tr> </tbody> </table> <p>Increasing the setting makes the change in density larger, and decreasing it makes the change smaller.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. Setting: [MIXED] <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>MIXED F/C DARKER</td> <td>Change in density when manual density is set dark (full color mode)</td> <td>0 to 3</td> <td>0</td> </tr> <tr> <td>MIXED F/C LIGHTER</td> <td>Change in density when manual density is set light (full color mode)</td> <td>0 to 3</td> <td>0</td> </tr> <tr> <td>MIXED MONO DARKER</td> <td>Change in density when manual density is set dark (single color mode)</td> <td>0 to 3</td> <td>0</td> </tr> <tr> <td>MIXED MONO LIGHTER</td> <td>Change in density when manual density is set light (single color mode)</td> <td>0 to 3</td> <td>0</td> </tr> </tbody> </table> <p>Increasing the setting makes the change in density larger, and decreasing it makes the change smaller.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 	Display	Description	TEXT	Density in the text mode	MIXED	Density in the text and photo mode	OTHER	Density in modes other than the text mode or the text and photo mode	FAX TEXT	Density in the text in fax mode	FAX PHOTO	Density in the photo in fax mode	Display	Description	Setting range	Initial setting	TEXT F/C DARKER	Change in density when manual density is set dark (full color mode)	0 to 3	0	TEXT F/C LIGHTER	Change in density when manual density is set light (full color mode)	0 to 3	0	TEXT MONO DARKER	Change in density when manual density is set dark (single color mode)	0 to 3	0	TEXT MONO LIGHTER	Change in density when manual density is set light (single color mode)	0 to 3	0	Display	Description	Setting range	Initial setting	MIXED F/C DARKER	Change in density when manual density is set dark (full color mode)	0 to 3	0	MIXED F/C LIGHTER	Change in density when manual density is set light (full color mode)	0 to 3	0	MIXED MONO DARKER	Change in density when manual density is set dark (single color mode)	0 to 3	0	MIXED MONO LIGHTER	Change in density when manual density is set light (single color mode)	0 to 3	0
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U099	<p>Adjusting original size detection</p> <p>Description Checks the operation of the original size sensor and sets the sensing threshold value.</p> <p>Purpose To adjust the sensitiveness of the sensor and size judgement time if the original size sensor malfunctions frequently due to incident light or the like.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>DATA1</td> <td>Displaying original size sensor transmission data</td> </tr> <tr> <td>B/W LEVEL1</td> <td>B/W LEVEL setting original size sensor threshold value Setting original size judgment time</td> </tr> <tr> <td>DATA2</td> <td>Displaying original size sensor transmission data (when DP is installed)</td> </tr> </tbody> </table> <p>Method: [DATA/DATA2]</p> <ol style="list-style-type: none"> 1. Place the original and close the original cover or DP. The detection sensor transmission data is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL AREA R</td> <td>Detected original width size (R)</td> </tr> <tr> <td>ORIGINAL AREA G</td> <td>Detected original width size (G)</td> </tr> <tr> <td>ORIGINAL AREA B</td> <td>Detected original width size (B)</td> </tr> <tr> <td>ORIGINAL AREA</td> <td>Detected original width size</td> </tr> <tr> <td>SIZE SW L</td> <td>Displays the original size sensor (OSS) ON/OFF</td> </tr> </tbody> </table> <p>Setting: [B/W LEVEL1]</p> <ol style="list-style-type: none"> 1. Select an item to be set. 2. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th colspan="2">Initial setting</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL R1 - 3</td> <td>Original threshold value for color R</td> <td>0 to 255</td> <td>40/30/20</td> <td>50/50/50*</td> </tr> <tr> <td>ORIGINAL G1 - 3</td> <td>Original threshold value for color G</td> <td>0 to 255</td> <td>40/30/20</td> <td>50/50/50*</td> </tr> <tr> <td>ORIGINAL B1 - 3</td> <td>Original threshold value for color B</td> <td>0 to 255</td> <td>40/30/20</td> <td>50/50/50*</td> </tr> <tr> <td>LIGHT SOURCE R</td> <td>Light source threshold value for color R</td> <td>0 to 255</td> <td>19</td> <td>49*</td> </tr> <tr> <td>LIGHT SOURCE G</td> <td>Light source threshold value for color G</td> <td>0 to 255</td> <td>19</td> <td>49*</td> </tr> <tr> <td>LIGHT SOURCE B</td> <td>Light source threshold value for color B</td> <td>0 to 255</td> <td>19</td> <td>49*</td> </tr> <tr> <td>WAIT TIME</td> <td>Time from activation of the original detection switch (ODSW) to original size judgment</td> <td>0 to 255</td> <td>150</td> <td>150*</td> </tr> </tbody> </table> <p>*: When DP is installed.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Completion Press the stop key. The screen for maintenance item No. is displayed.</p>	Display	Description	DATA1	Displaying original size sensor transmission data	B/W LEVEL1	B/W LEVEL setting original size sensor threshold value Setting original size judgment time	DATA2	Displaying original size sensor transmission data (when DP is installed)	Display	Description	ORIGINAL AREA R	Detected original width size (R)	ORIGINAL AREA G	Detected original width size (G)	ORIGINAL AREA B	Detected original width size (B)	ORIGINAL AREA	Detected original width size	SIZE SW L	Displays the original size sensor (OSS) ON/OFF	Display	Description	Setting range	Initial setting		ORIGINAL R1 - 3	Original threshold value for color R	0 to 255	40/30/20	50/50/50*	ORIGINAL G1 - 3	Original threshold value for color G	0 to 255	40/30/20	50/50/50*	ORIGINAL B1 - 3	Original threshold value for color B	0 to 255	40/30/20	50/50/50*	LIGHT SOURCE R	Light source threshold value for color R	0 to 255	19	49*	LIGHT SOURCE G	Light source threshold value for color G	0 to 255	19	49*	LIGHT SOURCE B	Light source threshold value for color B	0 to 255	19	49*	WAIT TIME	Time from activation of the original detection switch (ODSW) to original size judgment	0 to 255	150	150*
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WAIT TIME	Time from activation of the original detection switch (ODSW) to original size judgment	0 to 255	150	150*																																																									

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U100	<p>Adjusting main high voltage</p> <p>Description Controls the charger roller voltage to optimize the surface potential.</p> <p>Purpose To change the setting value to adjust the image if an image failure (background blur, etc.) occurs.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select an item and press the start key. The screen for executing each item is displayed. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Display</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Adjust MC AC Bias</td> <td>Main charger AC bias for each color</td> </tr> <tr> <td>AC Auto Adjustment</td> <td>Setting the AC bias auto adjustment</td> </tr> <tr> <td>Set DC1</td> <td>Main charger DC bias for each color</td> </tr> <tr> <td>Adjust DC2</td> <td>Additional surface potential</td> </tr> <tr> <td>Adjust DC2(B/W)</td> <td>Additional surface potential in black and white mode</td> </tr> <tr> <td>Low Temp. Setting (Drum)</td> <td>Pre-charge time at power supply ON</td> </tr> <tr> <td>Set Charger Freq</td> <td>Setting the main charger frequency</td> </tr> </tbody> </table> <p>Setting: [Adjust MC AC Bias]</p> <ol style="list-style-type: none"> 1. Change the value using the +/- or numeric keys. Increasing the setting makes the image lighter; decreasing it makes the image darker. The values set vary depending on environments. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Display</th> <th style="text-align: left;">Description</th> <th style="text-align: left;">Setting range</th> </tr> </thead> <tbody> <tr> <td>MC AC Bias(C)</td> <td>Main charger AC bias for cyan</td> <td>0 to 255</td> </tr> <tr> <td>MC AC Bias(M)</td> <td>Main charger AC bias for magenta</td> <td>0 to 255</td> </tr> <tr> <td>MC AC Bias(Y)</td> <td>Main charger AC bias for yellow</td> <td>0 to 255</td> </tr> <tr> <td>MC AC Bias(K)</td> <td>Main charger AC bias for black</td> <td>0 to 255</td> </tr> <tr> <td>MC AC Bias(K)BW*</td> <td>Main charger AC bias for black in black/white mode</td> <td>0 to 255</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Setting: [AC Auto Adjustment]</p> <ol style="list-style-type: none"> 1. Select ON or OFF. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Display</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Turns auto adjustment ON</td> </tr> <tr> <td>OFF</td> <td>Turns auto adjustment OFF</td> </tr> </tbody> </table> <p>Initial setting: ON</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. 	Display	Description	Adjust MC AC Bias	Main charger AC bias for each color	AC Auto Adjustment	Setting the AC bias auto adjustment	Set DC1	Main charger DC bias for each color	Adjust DC2	Additional surface potential	Adjust DC2(B/W)	Additional surface potential in black and white mode	Low Temp. Setting (Drum)	Pre-charge time at power supply ON	Set Charger Freq	Setting the main charger frequency	Display	Description	Setting range	MC AC Bias(C)	Main charger AC bias for cyan	0 to 255	MC AC Bias(M)	Main charger AC bias for magenta	0 to 255	MC AC Bias(Y)	Main charger AC bias for yellow	0 to 255	MC AC Bias(K)	Main charger AC bias for black	0 to 255	MC AC Bias(K)BW*	Main charger AC bias for black in black/white mode	0 to 255	Display	Description	ON	Turns auto adjustment ON	OFF	Turns auto adjustment OFF
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Maintenance item No.	Description																																																																						
U100	<p>Displaying: [Set DC1]</p> <p>1. The current setting is displayed.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Bias1 C(Full)</td> <td>Main charger DC bias for cyan (full speed)</td> </tr> <tr> <td>Bias1 M(Full)</td> <td>Main charger DC bias for magenta (full speed)</td> </tr> <tr> <td>Bias1 Y(Full)</td> <td>Main charger DC bias for yellow (full speed)</td> </tr> <tr> <td>Bias1 K(Full)</td> <td>Main charger DC bias for black (full speed)</td> </tr> <tr> <td>Bias1 C(Half)</td> <td>Main charger DC bias for cyan (half speed)</td> </tr> <tr> <td>Bias1 M(Half)</td> <td>Main charger DC bias for magenta (half speed)</td> </tr> <tr> <td>Bias1 Y(Half)</td> <td>Main charger DC bias for yellow (half speed)</td> </tr> <tr> <td>Bias1 K(Half)</td> <td>Main charger DC bias for black (half speed)</td> </tr> <tr> <td>Bias1 K(B/W)</td> <td>Main charger DC bias for black in black/white mode</td> </tr> </tbody> </table> <p>Setting: [Adjust DC2]</p> <p>1. Select the item to be set.</p> <p>2. Change the value using the +/- or numeric keys. Increasing the setting makes the image lighter; decreasing it makes the image darker.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Bias2C Full</td> <td>Main charger DC bias for cyan (full speed)</td> <td>-128 to 127</td> <td>0</td> </tr> <tr> <td>Bias2M Full</td> <td>Main charger DC bias for magenta (full speed)</td> <td>-128 to 127</td> <td>0</td> </tr> <tr> <td>Bias2Y Full</td> <td>Main charger DC bias for yellow (full speed)</td> <td>-128 to 127</td> <td>0</td> </tr> <tr> <td>Bias2K Full</td> <td>Main charger DC bias for black (full speed)</td> <td>-128 to 127</td> <td>0</td> </tr> <tr> <td>Bias2C Half</td> <td>Main charger DC bias for cyan (half speed)</td> <td>-128 to 127</td> <td>0</td> </tr> <tr> <td>Bias2M Half</td> <td>Main charger DC bias for magenta (half speed)</td> <td>-128 to 127</td> <td>0</td> </tr> <tr> <td>Bias2Y Half</td> <td>Main charger DC bias for yellow (half speed)</td> <td>-128 to 127</td> <td>0</td> </tr> <tr> <td>Bias2K Half</td> <td>Main charger DC bias for black (half speed)</td> <td>-128 to 127</td> <td>0</td> </tr> </tbody> </table> <p>3. Press the start key. The value is set.</p> <p>Setting: [Adjust DC2(B/W)]</p> <p>1. Change the value using the +/- or numeric keys. Increasing the setting makes the image lighter; decreasing it makes the image darker.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Bias2K (BW)</td> <td>Main charger DC bias for black in black/white mode</td> <td>-128 to 127</td> <td>0</td> </tr> </tbody> </table> <p>2. Press the start key. The value is set.</p> <p>Setting: [Low Temp. Setting(Drum)]</p> <p>1. Change the value using the +/- or numeric keys.</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Pre-charge time at power supply ON</td> <td>0 to 6</td> <td>1</td> </tr> </tbody> </table> <p>2. Press the start key. The value is set.</p>	Display	Description	Bias1 C(Full)	Main charger DC bias for cyan (full speed)	Bias1 M(Full)	Main charger DC bias for magenta (full speed)	Bias1 Y(Full)	Main charger DC bias for yellow (full speed)	Bias1 K(Full)	Main charger DC bias for black (full speed)	Bias1 C(Half)	Main charger DC bias for cyan (half speed)	Bias1 M(Half)	Main charger DC bias for magenta (half speed)	Bias1 Y(Half)	Main charger DC bias for yellow (half speed)	Bias1 K(Half)	Main charger DC bias for black (half speed)	Bias1 K(B/W)	Main charger DC bias for black in black/white mode	Display	Description	Setting range	Initial setting	Bias2C Full	Main charger DC bias for cyan (full speed)	-128 to 127	0	Bias2M Full	Main charger DC bias for magenta (full speed)	-128 to 127	0	Bias2Y Full	Main charger DC bias for yellow (full speed)	-128 to 127	0	Bias2K Full	Main charger DC bias for black (full speed)	-128 to 127	0	Bias2C Half	Main charger DC bias for cyan (half speed)	-128 to 127	0	Bias2M Half	Main charger DC bias for magenta (half speed)	-128 to 127	0	Bias2Y Half	Main charger DC bias for yellow (half speed)	-128 to 127	0	Bias2K Half	Main charger DC bias for black (half speed)	-128 to 127	0	Display	Description	Setting range	Initial setting	Bias2K (BW)	Main charger DC bias for black in black/white mode	-128 to 127	0	Description	Setting range	Initial setting	Pre-charge time at power supply ON	0 to 6	1
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Pre-charge time at power supply ON	0 to 6	1																																																																					

Maintenance item No.	Description																																																
U100	<p>Setting: [Set Charger Freq]</p> <ol style="list-style-type: none"> Select the item to be set. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Charger Freq</td> <td>Main charger frequency</td> <td>0 to 65535</td> <td>31449</td> </tr> <tr> <td>Charger Freq B/W*</td> <td>Main charger frequency in black/white mode</td> <td>0 to 65535</td> <td>31449</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Charger Freq	Main charger frequency	0 to 65535	31449	Charger Freq B/W*	Main charger frequency in black/white mode	0 to 65535	31449																																				
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U101	<p>Setting the voltage for the primary transfer</p> <p>Description Sets the control voltage for the primary transfer.</p> <p>Purpose To change the setting when any density problems, such as too dark or light, occur.</p> <p>Setting</p> <ol style="list-style-type: none"> Press the start key. Select the item to be set. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Normal (Full M)</td> <td>Primary transfer positive voltage for magenta (full speed)</td> <td>0 to 255</td> <td>105^{*1}/95^{*2}</td> </tr> <tr> <td>Normal (Half M)</td> <td>Primary transfer positive voltage for magenta (half speed)</td> <td>0 to 255</td> <td>78^{*1}/75^{*2}</td> </tr> <tr> <td>Reverse (B/W M)</td> <td>Primary transfer reverse voltage for magenta in black/white mode</td> <td>0 to 255</td> <td>105</td> </tr> <tr> <td>Add Color (C)</td> <td>Addition value (cyan)</td> <td>-127 to 127</td> <td>5</td> </tr> <tr> <td>Add Color (Y)</td> <td>Addition value (yellow)</td> <td>-127 to 127</td> <td>5</td> </tr> <tr> <td>Add Color (K)</td> <td>Addition value (black)</td> <td>-127 to 127</td> <td>20^{*1}/15^{*2}</td> </tr> <tr> <td>Add Color 2nd(C)</td> <td>Addition value for the second side (cyan)</td> <td>-127 to 127</td> <td>0</td> </tr> <tr> <td>Add Color 2nd(M)</td> <td>Addition value for the second side (magenta)</td> <td>-127 to 127</td> <td>0</td> </tr> <tr> <td>Add Color 2nd(Y)</td> <td>Addition value for the second side (yellow)</td> <td>-127 to 127</td> <td>0</td> </tr> <tr> <td>Add Color 2nd(K)</td> <td>Addition value for the second side (black)</td> <td>-127 to 127</td> <td>-15^{*1}/-10^{*2}</td> </tr> <tr> <td>Surround Correct</td> <td>Environmental correction ON/OFF setting</td> <td>0 (on)/1 (off)</td> <td>0</td> </tr> </tbody> </table> <p>*1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Normal (Full M)	Primary transfer positive voltage for magenta (full speed)	0 to 255	105 ^{*1} /95 ^{*2}	Normal (Half M)	Primary transfer positive voltage for magenta (half speed)	0 to 255	78 ^{*1} /75 ^{*2}	Reverse (B/W M)	Primary transfer reverse voltage for magenta in black/white mode	0 to 255	105	Add Color (C)	Addition value (cyan)	-127 to 127	5	Add Color (Y)	Addition value (yellow)	-127 to 127	5	Add Color (K)	Addition value (black)	-127 to 127	20 ^{*1} /15 ^{*2}	Add Color 2nd(C)	Addition value for the second side (cyan)	-127 to 127	0	Add Color 2nd(M)	Addition value for the second side (magenta)	-127 to 127	0	Add Color 2nd(Y)	Addition value for the second side (yellow)	-127 to 127	0	Add Color 2nd(K)	Addition value for the second side (black)	-127 to 127	-15 ^{*1} /-10 ^{*2}	Surround Correct	Environmental correction ON/OFF setting	0 (on)/1 (off)	0
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Surround Correct	Environmental correction ON/OFF setting	0 (on)/1 (off)	0																																														

Maintenance item No.	Description																																														
U106	<p>Setting the voltage for the secondary transfer</p> <p>Description Sets the control voltage for the secondary transfer depending on each paper type.</p> <p>Purpose To change the setting when any density problems, such as too dark or light, occur.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. The screen for executing each item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Light/Normal 1 Full Front</td> <td>Control voltage for the transfer bias for the first side on paper with thickness 60 g/m² to 64 g/m² and 60 g/m² to 75 g/m²</td> </tr> <tr> <td>Normal 2/3 Full Front</td> <td>Control voltage for the transfer bias for the first side on paper with thickness 75 g/m² to 105 g/m²</td> </tr> <tr> <td>Light/Normal 1 Full Back</td> <td>Control voltage for the transfer bias for the second side on paper with thickness 60 g/m² to 64 g/m² and 60 g/m² to 75 g/m²</td> </tr> <tr> <td>Normal 2/3 Full Back</td> <td>Control voltage for the transfer bias for the second side on paper with thickness 75 g/m² to 105 g/m²</td> </tr> <tr> <td>Light Normal1(F)Front BW</td> <td>Control voltage for the transfer bias for the first side on paper with thickness 60 g/m² to 64 g/m² and 60 g/m² to 75 g/m² (in black and white mode)</td> </tr> <tr> <td>Normal 2/3(F)Front BW</td> <td>Control voltage for the transfer bias for the first side on paper with thickness 75 g/m² to 105 g/m² (in black and white mode)</td> </tr> <tr> <td>Light/Normal1(F)Back BW</td> <td>Control voltage for the transfer bias for the second side on paper with thickness 60 g/m² to 64 g/m² and 60 g/m² to 75 g/m² (in black and white mode)</td> </tr> <tr> <td>Normal 2/3(F)Back BW</td> <td>Control voltage for the transfer bias for the second side on paper with thickness 75 g/m² to 105 g/m² (in black and white mode)</td> </tr> <tr> <td>Heavy 1 - 3 (H)Front</td> <td>Control voltage for the transfer bias for the first side on paper with thickness 105 g/m² to 220 g/m²</td> </tr> <tr> <td>Heavy 1 - 3 (H)Back</td> <td>Control voltage for the transfer bias for the second side on paper with thickness 105 g/m² to 220 g/m²</td> </tr> <tr> <td>OHP</td> <td>Control voltage for the transfer bias for transparencies</td> </tr> <tr> <td>Bias</td> <td>Transfer bias value</td> </tr> </tbody> </table> <p>Setting: [Light/Normal 1 Full Front]</p> <ol style="list-style-type: none"> 1. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Width<160</td> <td>Small sizes (under 160 mm wide)</td> <td>0 to 255</td> <td>160^{*1}/150^{*2}</td> </tr> <tr> <td>160<=Width<220</td> <td>Medium sizes (more than 160 to under 220 mm wide)</td> <td>0 to 255</td> <td>140^{*1}/120^{*2}</td> </tr> <tr> <td>220<=Width<260</td> <td>Large sizes (more than 220 to under 260 mm wide)</td> <td>0 to 255</td> <td>120^{*1}/100^{*2}</td> </tr> <tr> <td>260<=Width</td> <td>Large sizes (more than 260 mm wide)</td> <td>0 to 255</td> <td>110^{*1}/90^{*2}</td> </tr> </tbody> </table> <p>*1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. 	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Normal 2/3(F)Front BW	Control voltage for the transfer bias for the first side on paper with thickness 75 g/m ² to 105 g/m ² (in black and white mode)																																														
Light/Normal1(F)Back BW	Control voltage for the transfer bias for the second side on paper with thickness 60 g/m ² to 64 g/m ² and 60 g/m ² to 75 g/m ² (in black and white mode)																																														
Normal 2/3(F)Back BW	Control voltage for the transfer bias for the second side on paper with thickness 75 g/m ² to 105 g/m ² (in black and white mode)																																														
Heavy 1 - 3 (H)Front	Control voltage for the transfer bias for the first side on paper with thickness 105 g/m ² to 220 g/m ²																																														
Heavy 1 - 3 (H)Back	Control voltage for the transfer bias for the second side on paper with thickness 105 g/m ² to 220 g/m ²																																														
OHP	Control voltage for the transfer bias for transparencies																																														
Bias	Transfer bias value																																														
Display	Description	Setting range	Initial setting																																												
Width<160	Small sizes (under 160 mm wide)	0 to 255	160 ^{*1} /150 ^{*2}																																												
160<=Width<220	Medium sizes (more than 160 to under 220 mm wide)	0 to 255	140 ^{*1} /120 ^{*2}																																												
220<=Width<260	Large sizes (more than 220 to under 260 mm wide)	0 to 255	120 ^{*1} /100 ^{*2}																																												
260<=Width	Large sizes (more than 260 mm wide)	0 to 255	110 ^{*1} /90 ^{*2}																																												

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U107	<p>Setting the transfer cleaning voltage</p> <p>Description Sets the cleaning control voltage for transfer belt unit.</p> <p>Purpose Change settings if an offset has occurred due to the failure of cleaning the transfer belt.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Belt Clean A(F)</td> <td>Transfer belt cleaning voltage (printing)</td> </tr> <tr> <td>Belt Clean A(H)</td> <td>Transfer belt cleaning voltage (using thick paper)</td> </tr> <tr> <td>Belt Clean B</td> <td>Transfer belt cleaning voltage (paper interval)</td> </tr> <tr> <td>Belt Clean A(BW)</td> <td>Transfer belt cleaning voltage in black/white mode</td> </tr> </tbody> </table> <p>Setting: [Belt Clean A(F)]</p> <ol style="list-style-type: none"> Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Width<160</td> <td>Small sizes (under 160 mm wide)</td> <td>0 to 255</td> <td>83^{*1}/70^{*2}</td> </tr> <tr> <td>160<=Width<220</td> <td>Medium sizes (160 to under 220 mm wide)</td> <td>0 to 255</td> <td>83^{*1}/70^{*2}</td> </tr> <tr> <td>220<=Width</td> <td>Large sizes (more than 220 mm wide)</td> <td>0 to 255</td> <td>83^{*1}/70^{*2}</td> </tr> </tbody> </table> <p>*1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Setting: [Belt Clean A(H)]</p> <ol style="list-style-type: none"> Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Width<160</td> <td>Small sizes (under 160 mm wide)</td> <td>0 to 255</td> <td>62^{*1}/50^{*2}</td> </tr> <tr> <td>160<=Width<220</td> <td>Medium sizes (160 to under 220 mm wide)</td> <td>0 to 255</td> <td>62^{*1}/50^{*2}</td> </tr> <tr> <td>220<=Width</td> <td>Large sizes (more than 220 mm wide)</td> <td>0 to 255</td> <td>62^{*1}/50^{*2}</td> </tr> </tbody> </table> <p>*1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Setting: [Belt Clean B]</p> <ol style="list-style-type: none"> Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Belt Clean B(F)</td> <td>Transfer belt cleaning voltage</td> <td>0 to 255</td> <td>150^{*1}/140^{*2}</td> </tr> <tr> <td>Belt Clean B(H)</td> <td>Transfer belt cleaning voltage (using thick paper)</td> <td>0 to 255</td> <td>120^{*1}/105^{*2}</td> </tr> <tr> <td>Belt Clean B(BW)</td> <td>Transfer belt cleaning voltage in black and white mode</td> <td>0 to 255</td> <td>150</td> </tr> </tbody> </table> <p>*1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model</p> <ol style="list-style-type: none"> Press the start key. The value is set. 	Display	Description	Belt Clean A(F)	Transfer belt cleaning voltage (printing)	Belt Clean A(H)	Transfer belt cleaning voltage (using thick paper)	Belt Clean B	Transfer belt cleaning voltage (paper interval)	Belt Clean A(BW)	Transfer belt cleaning voltage in black/white mode	Display	Description	Setting range	Initial setting	Width<160	Small sizes (under 160 mm wide)	0 to 255	83 ^{*1} /70 ^{*2}	160<=Width<220	Medium sizes (160 to under 220 mm wide)	0 to 255	83 ^{*1} /70 ^{*2}	220<=Width	Large sizes (more than 220 mm wide)	0 to 255	83 ^{*1} /70 ^{*2}	Display	Description	Setting range	Initial setting	Width<160	Small sizes (under 160 mm wide)	0 to 255	62 ^{*1} /50 ^{*2}	160<=Width<220	Medium sizes (160 to under 220 mm wide)	0 to 255	62 ^{*1} /50 ^{*2}	220<=Width	Large sizes (more than 220 mm wide)	0 to 255	62 ^{*1} /50 ^{*2}	Display	Description	Setting range	Initial setting	Belt Clean B(F)	Transfer belt cleaning voltage	0 to 255	150 ^{*1} /140 ^{*2}	Belt Clean B(H)	Transfer belt cleaning voltage (using thick paper)	0 to 255	120 ^{*1} /105 ^{*2}	Belt Clean B(BW)	Transfer belt cleaning voltage in black and white mode	0 to 255	150
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U107	<p>Setting: [Belt Clean A(BW)]</p> <p>1. Change the value using the +/- or numeric keys.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Width<160</td> <td>Small sizes (under 160 mm wide)</td> <td>0 to 255</td> <td>120</td> </tr> <tr> <td>160<=Width<220</td> <td>Medium sizes (160 to under 220 mm wide)</td> <td>0 to 255</td> <td>120</td> </tr> <tr> <td>220<=Width</td> <td>Large sizes (more than 220 mm wide)</td> <td>0 to 255</td> <td>120</td> </tr> </tbody> </table> <p>2. Press the start key. The value is set.</p> <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Width<160	Small sizes (under 160 mm wide)	0 to 255	120	160<=Width<220	Medium sizes (160 to under 220 mm wide)	0 to 255	120	220<=Width	Large sizes (more than 220 mm wide)	0 to 255	120
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U108	<p>Setting separation shift bias</p> <p>Description Adjusts output of separation shift bias and ON/OFF timing.</p> <p>Purpose To set when the separated malfunction of the paper occurs.</p> <p>Start</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. The screen for executing each item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Set Output Value</td> <td>The paper of the paper thick or the separation shift bias output adjustment with type</td> </tr> <tr> <td>Set Timing</td> <td>ON/OFF timing adjustment with paper position</td> </tr> </tbody> </table> <p>Setting: [Set Output Value]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- or numeric key. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Light Full 1st</td> <td>Separation shift bias for the first side on paper with thickness 60 to 64 g/m²</td> <td>0 to 255</td> <td>85</td> </tr> <tr> <td>Light Full 2nd</td> <td>Separation shift bias for the second side on paper with thickness 60 to 64 g/m²</td> <td>0 to 255</td> <td>60</td> </tr> <tr> <td>Normal Full 1st</td> <td>Separation shift bias for the first side on paper with thickness 60 to 105 g/m²</td> <td>0 to 255</td> <td>52</td> </tr> <tr> <td>Normal Full 2nd</td> <td>Separation shift bias for the second side on paper with thickness 60 to 105 g/m²</td> <td>0 to 255</td> <td>60</td> </tr> <tr> <td>Normal Lead edge</td> <td>Separation shift bias for the leading edge on paper with thickness 60 to 105 g/m²</td> <td>-127 to 127</td> <td>8</td> </tr> <tr> <td>Heavy/OHP</td> <td>Separation shift bias for transparencies with thickness 105 to 220 g/m²</td> <td>0 to 255</td> <td>26</td> </tr> <tr> <td>Light Full 1st B/W*</td> <td>Separation shift bias for the first side on paper with thickness 60 to 64 g/m² (black/white mode)</td> <td>0 to 255</td> <td>85</td> </tr> <tr> <td>Light Full 2nd B/W*</td> <td>Separation shift bias for the second side on paper with thickness 60 to 64 g/m² (black/white mode)</td> <td>0 to 255</td> <td>60</td> </tr> <tr> <td>Normal Full 1st B/W*</td> <td>Separation shift bias for the first side on paper with thickness 60 to 105 g/m² (black/white mode)</td> <td>0 to 255</td> <td>52</td> </tr> <tr> <td>Normal Full 2nd B/W*</td> <td>Separation shift bias for the second side on paper with thickness 60 to 105 g/m² (black/white mode)</td> <td>0 to 255</td> <td>60</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Setting: [Set Timing]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- or numeric key. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>ON Timing Lead</td> <td>Separation shift bias ON timing at leading edge of paper</td> <td>-200 to 200</td> <td>-200^{*1}/-190^{*2}</td> </tr> <tr> <td>ON Timing Center</td> <td>Separation shift bias ON timing at center of paper</td> <td>-200 to 200</td> <td>0</td> </tr> <tr> <td>OFF Timing</td> <td>Separation shift bias OFF timing</td> <td>-200 to 200</td> <td>70^{*1}/110^{*2}</td> </tr> </tbody> </table> <p>*1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. 	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Maintenance item No.	Description																						
U108	<p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>																						
U109	<p>Checking the drum type Description Displays the drum sensitivity data. Purpose To check the drum sensitivity data.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CYAN(Dark)</td> <td>Drum sensitivity data for cyan (dark potential)</td> </tr> <tr> <td>MAGENTA(Dark)</td> <td>Drum sensitivity data for magenta (dark potential)</td> </tr> <tr> <td>YELLOW(Dark)</td> <td>Drum sensitivity data for yellow (dark potential)</td> </tr> <tr> <td>BLACK(Dark)</td> <td>Drum sensitivity data for black (dark potential)</td> </tr> <tr> <td>CYAN(Light)</td> <td>Drum sensitivity data for cyan (light potential)</td> </tr> <tr> <td>MAGENTA(Light)</td> <td>Drum sensitivity data for magenta (light potential)</td> </tr> <tr> <td>YELLOW(Light)</td> <td>Drum sensitivity data for yellow (light potential)</td> </tr> <tr> <td>BLACK(Light)</td> <td>Drum sensitivity data for black (light potential)</td> </tr> </tbody> </table> <p>The drum sensitivity data is displayed.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>DATA1 - DATA11</td> <td>Drum sensitivity data</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	CYAN(Dark)	Drum sensitivity data for cyan (dark potential)	MAGENTA(Dark)	Drum sensitivity data for magenta (dark potential)	YELLOW(Dark)	Drum sensitivity data for yellow (dark potential)	BLACK(Dark)	Drum sensitivity data for black (dark potential)	CYAN(Light)	Drum sensitivity data for cyan (light potential)	MAGENTA(Light)	Drum sensitivity data for magenta (light potential)	YELLOW(Light)	Drum sensitivity data for yellow (light potential)	BLACK(Light)	Drum sensitivity data for black (light potential)	Display	Description	DATA1 - DATA11	Drum sensitivity data
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Display	Description																						
DATA1 - DATA11	Drum sensitivity data																						
U110	<p>Checking the drum count Description Displays the drum counts for checking. Purpose To check the drum status.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The current drum counts is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Drum counter (CYAN)</td> <td>Cyan drum count value</td> </tr> <tr> <td>Drum counter (MAGENTA)</td> <td>Magenta drum count value</td> </tr> <tr> <td>Drum counter (YELLOW)</td> <td>Yellow drum count value</td> </tr> <tr> <td>Drum counter (BLACK)</td> <td>Black drum count value</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Drum counter (CYAN)	Cyan drum count value	Drum counter (MAGENTA)	Magenta drum count value	Drum counter (YELLOW)	Yellow drum count value	Drum counter (BLACK)	Black drum count value												
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Maintenance item No.	Description										
U111	<p>Checking the drum drive time</p> <p>Description Displays the drum drive time for checking a figure, which is used as a reference when correcting the high voltage based on time.</p> <p>Purpose To check the drum status.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The drum drive time is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>C TIME(min)</td> <td>Cyan drum drive time</td> </tr> <tr> <td>M TIME(min)</td> <td>Magenta drum drive time</td> </tr> <tr> <td>Y TIME(min)</td> <td>Yellow drum drive time</td> </tr> <tr> <td>K TIME(min)</td> <td>Black drum drive time</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C TIME(min)	Cyan drum drive time	M TIME(min)	Magenta drum drive time	Y TIME(min)	Yellow drum drive time	K TIME(min)	Black drum drive time
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K TIME(min)	Black drum drive time										
U117	<p>Checking the drum number</p> <p>Description Displays the drum number.</p> <p>Purpose To check the drum number.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The drum number is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Drum No.(C)</td> <td>Cyan drum number</td> </tr> <tr> <td>Drum No.(M)</td> <td>Magenta drum number</td> </tr> <tr> <td>Drum No.(Y)</td> <td>Yellow drum number</td> </tr> <tr> <td>Drum No.(K)</td> <td>Black drum number</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Drum No.(C)	Cyan drum number	Drum No.(M)	Magenta drum number	Drum No.(Y)	Yellow drum number	Drum No.(K)	Black drum number
Display	Description										
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Drum No.(K)	Black drum number										

Maintenance item No.	Description																
<p>U118</p>	<p>Displaying the drum history Description Displays the past record of machine number and the drum counter. Purpose To check the count value of machine number and the drum counter.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the color to check. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Drum history (C)</td> <td>Cyan drum past record</td> </tr> <tr> <td>Drum history (M)</td> <td>Magenta drum past record</td> </tr> <tr> <td>Drum history (Y)</td> <td>Yellow drum past record</td> </tr> <tr> <td>Drum history (K)</td> <td>Black drum past record</td> </tr> </tbody> </table> <p>The history of a machine number and a drum counter for each color is displayed by three cases.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MACHINE HISTORY 1 - 3</td> <td>Historical records of the machine number</td> </tr> <tr> <td>COUNT HISTORY 1 - 3</td> <td>Historical records of drum counter</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Drum history (C)	Cyan drum past record	Drum history (M)	Magenta drum past record	Drum history (Y)	Yellow drum past record	Drum history (K)	Black drum past record	Display	Description	MACHINE HISTORY 1 - 3	Historical records of the machine number	COUNT HISTORY 1 - 3	Historical records of drum counter
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MACHINE HISTORY 1 - 3	Historical records of the machine number																
COUNT HISTORY 1 - 3	Historical records of drum counter																
<p>U119</p>	<p>Setting the drum Description Sets drum sensitivity. Purpose To set the drum after replacing the drum unit or laser scanner unit.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [Execute]. 3. Press the start key. Drum setup is commenced. 4. Turn the main power switch off and on. 																
<p>U122</p>	<p>Checking the transfer belt unit number Description Displays the number of the transfer belt unit for checking. Purpose To check the number of the transfer belt.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The current number of the transfer belt is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Middle Transfer Unit</td> <td>Number of the transfer belt unit</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Middle Transfer Unit	Number of the transfer belt unit												
Display	Description																
Middle Transfer Unit	Number of the transfer belt unit																

Maintenance item No.	Description						
U123	<p>Displaying the transfer belt unit history</p> <p>Description Displays the past record of machine number and the transfer belt unit counter.</p> <p>Purpose To check the count value of machine number and the transfer counter.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. The history of a machine number and a transfer belt unit counter for each color is displayed by three cases. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MACHINE HISTORY 1 - 3</td> <td>Historical records of the machine number</td> </tr> <tr> <td>COUNT HISTORY 1 - 3</td> <td>Historical records of transfer belt unit counter</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MACHINE HISTORY 1 - 3	Historical records of the machine number	COUNT HISTORY 1 - 3	Historical records of transfer belt unit counter
Display	Description						
MACHINE HISTORY 1 - 3	Historical records of the machine number						
COUNT HISTORY 1 - 3	Historical records of transfer belt unit counter						
U127	<p>Checking/clearing the transfer count</p> <p>Description Displays and clears the counts of the transfer counter.</p> <p>Purpose To check the count after replacement of the transfer belt unit or transfer roller. Also to clear the counts after replacing transfer roller.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. The current counts of the transfer counter is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Mid Transfer Unit Count</td> <td>Transfer belt unit counter value</td> </tr> <tr> <td>2nd Transfer Unit Count</td> <td>Transfer roller counter value</td> </tr> </tbody> </table> <p>Clearing</p> <ol style="list-style-type: none"> Press [Clear Counter]. Press the start key. Transfer roller counter value is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Mid Transfer Unit Count	Transfer belt unit counter value	2nd Transfer Unit Count	Transfer roller counter value
Display	Description						
Mid Transfer Unit Count	Transfer belt unit counter value						
2nd Transfer Unit Count	Transfer roller counter value						

Maintenance item No.	Description																
U128	<p>Setting transfer high-voltage timing</p> <p>Description Adjusts the ON/OFF timing of transfer high-voltage output.</p> <p>Purpose Basically, the setting need not be changed. If any problem such as faulty images or dirt on the back surface occurs, change the setting.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. 3. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Trans ON Timing1</td> <td>Transfer ON timing adjustment value (first side)</td> <td>-200 to 200</td> <td>-54</td> </tr> <tr> <td>Trans ON Timing2</td> <td>Transfer ON timing adjustment value (second side)</td> <td>-200 to 200</td> <td>-54</td> </tr> <tr> <td>Trans OFF Timing</td> <td>Transfer OFF timing adjustment value</td> <td>-200 to 200</td> <td>10</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Trans ON Timing1	Transfer ON timing adjustment value (first side)	-200 to 200	-54	Trans ON Timing2	Transfer ON timing adjustment value (second side)	-200 to 200	-54	Trans OFF Timing	Transfer OFF timing adjustment value	-200 to 200	10
Display	Description	Setting range	Initial setting														
Trans ON Timing1	Transfer ON timing adjustment value (first side)	-200 to 200	-54														
Trans ON Timing2	Transfer ON timing adjustment value (second side)	-200 to 200	-54														
Trans OFF Timing	Transfer OFF timing adjustment value	-200 to 200	10														

Maintenance item No.	Description																																																				
U131	<p>Adjusting the toner sensor control voltage</p> <p>Description Adjusts the toner sensor control voltage.</p> <p>Purpose If control values are not correctly retrievable due to the EEPROM of the developing unit failure, etc., use manual adjustment and obtain a temporary control value.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set or displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Manual Adjustment</td> <td>Toner sensor control voltage manual adjustment</td> </tr> <tr> <td>Auto Adjustment</td> <td>Toner sensor control voltage auto adjustment</td> </tr> <tr> <td>Set Operation Mode</td> <td>Switching the manual adjustment and auto adjustment</td> </tr> </tbody> </table> <p>Setting: [Manual Adjustment]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>CONTROL C</td> <td>Toner control voltage for cyan</td> <td>0 to 255</td> <td>116</td> </tr> <tr> <td>CONTROL M</td> <td>Toner control voltage for magenta</td> <td>0 to 255</td> <td>116</td> </tr> <tr> <td>CONTROL Y</td> <td>Toner control voltage for yellow</td> <td>0 to 255</td> <td>116</td> </tr> <tr> <td>CONTROL K</td> <td>Toner control voltage for black</td> <td>0 to 255</td> <td>116</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Displaying: [Auto Adjustment]</p> <ol style="list-style-type: none"> 1. The current setting is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Default (C)</td> <td>Reference value for toner control voltage for cyan</td> </tr> <tr> <td>Default (M)</td> <td>Reference value for toner control voltage for magenta</td> </tr> <tr> <td>Default (Y)</td> <td>Reference value for toner control voltage for yellow</td> </tr> <tr> <td>Default (K)</td> <td>Reference value for toner control voltage for black</td> </tr> <tr> <td>Control (C)</td> <td>Toner control voltage after correction for cyan</td> </tr> <tr> <td>Control (M)</td> <td>Toner control voltage after correction for magenta</td> </tr> <tr> <td>Control (Y)</td> <td>Toner control voltage after correction for yellow</td> </tr> <tr> <td>Control (K)</td> <td>Toner control voltage after correction for black</td> </tr> </tbody> </table> <p>Setting: [Set Operation Mode]</p> <ol style="list-style-type: none"> 1. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Manual Adjustment</td> <td>Toner sensor control voltage manual adjustment</td> </tr> <tr> <td>Auto Adjustment</td> <td>Toner sensor control voltage auto adjustment</td> </tr> </tbody> </table> <p>Initial setting: Automatic adjustment</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Manual Adjustment	Toner sensor control voltage manual adjustment	Auto Adjustment	Toner sensor control voltage auto adjustment	Set Operation Mode	Switching the manual adjustment and auto adjustment	Display	Description	Setting range	Initial setting	CONTROL C	Toner control voltage for cyan	0 to 255	116	CONTROL M	Toner control voltage for magenta	0 to 255	116	CONTROL Y	Toner control voltage for yellow	0 to 255	116	CONTROL K	Toner control voltage for black	0 to 255	116	Display	Description	Default (C)	Reference value for toner control voltage for cyan	Default (M)	Reference value for toner control voltage for magenta	Default (Y)	Reference value for toner control voltage for yellow	Default (K)	Reference value for toner control voltage for black	Control (C)	Toner control voltage after correction for cyan	Control (M)	Toner control voltage after correction for magenta	Control (Y)	Toner control voltage after correction for yellow	Control (K)	Toner control voltage after correction for black	Display	Description	Manual Adjustment	Toner sensor control voltage manual adjustment	Auto Adjustment	Toner sensor control voltage auto adjustment
Display	Description																																																				
Manual Adjustment	Toner sensor control voltage manual adjustment																																																				
Auto Adjustment	Toner sensor control voltage auto adjustment																																																				
Set Operation Mode	Switching the manual adjustment and auto adjustment																																																				
Display	Description	Setting range	Initial setting																																																		
CONTROL C	Toner control voltage for cyan	0 to 255	116																																																		
CONTROL M	Toner control voltage for magenta	0 to 255	116																																																		
CONTROL Y	Toner control voltage for yellow	0 to 255	116																																																		
CONTROL K	Toner control voltage for black	0 to 255	116																																																		
Display	Description																																																				
Default (C)	Reference value for toner control voltage for cyan																																																				
Default (M)	Reference value for toner control voltage for magenta																																																				
Default (Y)	Reference value for toner control voltage for yellow																																																				
Default (K)	Reference value for toner control voltage for black																																																				
Control (C)	Toner control voltage after correction for cyan																																																				
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Display	Description																																																				
Manual Adjustment	Toner sensor control voltage manual adjustment																																																				
Auto Adjustment	Toner sensor control voltage auto adjustment																																																				

Maintenance item No.	Description																		
U132	<p>Replenishing toner forcibly</p> <p>Description Replenishes toner forcibly until the toner sensor output value reaches the toner feed start level.</p> <p>Purpose Used when the toner empty is detected frequently.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The screen for executing is displayed. 2. Press the start key. Toner is replenished until the toner sensor output value reaches the toner feed start level. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Toner Supply (C)</td> <td>Toner feed start level (cyan)</td> </tr> <tr> <td>Toner Supply (M)</td> <td>Toner feed start level (magenta)</td> </tr> <tr> <td>Toner Supply (Y)</td> <td>Toner feed start level (yellow)</td> </tr> <tr> <td>Toner Supply (K)</td> <td>Toner feed start level (black)</td> </tr> <tr> <td>Toner Sensor (C)</td> <td>Toner sensor output value (cyan)</td> </tr> <tr> <td>Toner Sensor (M)</td> <td>Toner sensor output value (magenta)</td> </tr> <tr> <td>Toner Sensor (Y)</td> <td>Toner sensor output value (yellow)</td> </tr> <tr> <td>Toner Sensor (K)</td> <td>Toner sensor output value (black)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. To stop operation, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Toner Supply (C)	Toner feed start level (cyan)	Toner Supply (M)	Toner feed start level (magenta)	Toner Supply (Y)	Toner feed start level (yellow)	Toner Supply (K)	Toner feed start level (black)	Toner Sensor (C)	Toner sensor output value (cyan)	Toner Sensor (M)	Toner sensor output value (magenta)	Toner Sensor (Y)	Toner sensor output value (yellow)	Toner Sensor (K)	Toner sensor output value (black)
Display	Description																		
Toner Supply (C)	Toner feed start level (cyan)																		
Toner Supply (M)	Toner feed start level (magenta)																		
Toner Supply (Y)	Toner feed start level (yellow)																		
Toner Supply (K)	Toner feed start level (black)																		
Toner Sensor (C)	Toner sensor output value (cyan)																		
Toner Sensor (M)	Toner sensor output value (magenta)																		
Toner Sensor (Y)	Toner sensor output value (yellow)																		
Toner Sensor (K)	Toner sensor output value (black)																		
U135	<p>Checking toner motor operation</p> <p>Description Drives toner motors.</p> <p>Purpose To check the operation of toner motors.</p> <p>Remarks When driving the toner motors long time or several times, developing section becomes the toner full and is locked.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the motor to be operated. 3. Press the start key. The operation starts. <table border="1"> <thead> <tr> <th>Display</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>Toner Feed Motor</td> <td>Toner motor (TM) is turned on</td> </tr> <tr> <td>Container Motor (CW)</td> <td>Toner container motor (TCM) is turned on counterclockwise</td> </tr> <tr> <td>Container Motor (CCW)</td> <td>Toner container motor (TCM) is turned on clockwise</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. To stop the operation, press the stop key. <p>Completion Press the stop key after operation stops. The screen for selecting a maintenance item No. is displayed.</p>	Display	Operation	Toner Feed Motor	Toner motor (TM) is turned on	Container Motor (CW)	Toner container motor (TCM) is turned on counterclockwise	Container Motor (CCW)	Toner container motor (TCM) is turned on clockwise										
Display	Operation																		
Toner Feed Motor	Toner motor (TM) is turned on																		
Container Motor (CW)	Toner container motor (TCM) is turned on counterclockwise																		
Container Motor (CCW)	Toner container motor (TCM) is turned on clockwise																		

Maintenance item No.	Description												
U136	<p>Setting toner near end detection</p> <p>Description Sets the level that indicates the number of sheets that can be printed from occurrence of toner near end to toner empty.</p> <p>Purpose To change the setting to advance detection of near end if the interval from toner near end to toner empty seems too short.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>BK</td> <td>Setting the level of black toner</td> <td>0 to 9</td> <td>3</td> </tr> <tr> <td>CMY</td> <td>Setting the level of cyan/magenta/yellow toner</td> <td>0 to 9</td> <td>3</td> </tr> </tbody> </table> <p>Increasing the setting makes the interval from toner near end to toner empty longer. Decreasing the setting makes the interval from toner near end to toner empty shorter. If 0 is set, toner near end will not be detected.</p> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	BK	Setting the level of black toner	0 to 9	3	CMY	Setting the level of cyan/magenta/yellow toner	0 to 9	3
Display	Description	Setting range	Initial setting										
BK	Setting the level of black toner	0 to 9	3										
CMY	Setting the level of cyan/magenta/yellow toner	0 to 9	3										
U139	<p>Displaying the temperature and humidity outside the machine</p> <p>Description Displays the detected temperature and humidity outside the machine.</p> <p>Purpose To check the temperature and humidity outside the machine.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The detected temperature and humidity are displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>External Temperature</td> <td>External temperature (°C)</td> </tr> <tr> <td>External Humidity</td> <td>External humidity (%)</td> </tr> <tr> <td>Internal Temp1 (LSU)</td> <td>Internal temperature around the laser scanner unit (°C)</td> </tr> <tr> <td>Internal Temp2</td> <td>Internal temperature around the transfer section (°C)</td> </tr> <tr> <td>Internal Temp3</td> <td>Internal temperature around the developing section (°C)</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	External Temperature	External temperature (°C)	External Humidity	External humidity (%)	Internal Temp1 (LSU)	Internal temperature around the laser scanner unit (°C)	Internal Temp2	Internal temperature around the transfer section (°C)	Internal Temp3	Internal temperature around the developing section (°C)
Display	Description												
External Temperature	External temperature (°C)												
External Humidity	External humidity (%)												
Internal Temp1 (LSU)	Internal temperature around the laser scanner unit (°C)												
Internal Temp2	Internal temperature around the transfer section (°C)												
Internal Temp3	Internal temperature around the developing section (°C)												

Maintenance item No.	Description																																												
U140	<p>Displaying developing bias Description Displays various developing bias value. Purpose To check the developing bias value.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set or displayed. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Dev Roll2 DC</td> <td>Developing sleeve roller DC bias</td> </tr> <tr> <td>Dev Roll1(Calib)DC</td> <td>Developing magnet roller DC bias (toner thick layer calibration)</td> </tr> <tr> <td>Dev Roll2 AC</td> <td>Developing sleeve roller AC bias</td> </tr> <tr> <td>Dev Roll1DC</td> <td>Developing magnet roller DC bias</td> </tr> <tr> <td>Roll1 DC Int</td> <td>Developing magnet roller paper interval DC bias</td> </tr> <tr> <td>Dev Roll1AC</td> <td>Developing magnet roller AC bias</td> </tr> <tr> <td>DEV Roll Freq</td> <td>Developing magnet roller frequency</td> </tr> <tr> <td>DEV Roll Duty</td> <td>Developing magnet roller duty</td> </tr> <tr> <td>Dev Roll2 Duty</td> <td>Developing sleeve roller duty</td> </tr> </tbody> </table> <p>Setting: [Dev Roll2 DC]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Display</th> <th style="width: 45%;">Description</th> <th style="width: 15%;">Setting range</th> <th style="width: 15%;">Initial setting</th> </tr> </thead> <tbody> <tr> <td>Dev Roll2 DC (C)</td> <td>Developing sleeve roller DC bias for cyan</td> <td>0 to 255</td> <td>93^{*1}/80^{*2}</td> </tr> <tr> <td>Dev Roll2 DC (M)</td> <td>Developing sleeve roller DC bias for magenta</td> <td>0 to 255</td> <td>93^{*1}/80^{*2}</td> </tr> <tr> <td>Dev Roll2 DC (Y)</td> <td>Developing sleeve roller DC bias for yellow</td> <td>0 to 255</td> <td>93^{*1}/80^{*2}</td> </tr> <tr> <td>Dev Roll2 DC (K)</td> <td>Developing sleeve roller DC bias for black</td> <td>0 to 255</td> <td>93^{*1}/80^{*2}</td> </tr> <tr> <td>Dev Roll2 DC (BW)</td> <td>Developing sleeve roller DC bias in black/white mode (50/40 ppm model only)</td> <td>0 to 255</td> <td>101^{*1}</td> </tr> </tbody> </table> <p>*1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 	Display	Description	Dev Roll2 DC	Developing sleeve roller DC bias	Dev Roll1(Calib)DC	Developing magnet roller DC bias (toner thick layer calibration)	Dev Roll2 AC	Developing sleeve roller AC bias	Dev Roll1DC	Developing magnet roller DC bias	Roll1 DC Int	Developing magnet roller paper interval DC bias	Dev Roll1AC	Developing magnet roller AC bias	DEV Roll Freq	Developing magnet roller frequency	DEV Roll Duty	Developing magnet roller duty	Dev Roll2 Duty	Developing sleeve roller duty	Display	Description	Setting range	Initial setting	Dev Roll2 DC (C)	Developing sleeve roller DC bias for cyan	0 to 255	93 ^{*1} /80 ^{*2}	Dev Roll2 DC (M)	Developing sleeve roller DC bias for magenta	0 to 255	93 ^{*1} /80 ^{*2}	Dev Roll2 DC (Y)	Developing sleeve roller DC bias for yellow	0 to 255	93 ^{*1} /80 ^{*2}	Dev Roll2 DC (K)	Developing sleeve roller DC bias for black	0 to 255	93 ^{*1} /80 ^{*2}	Dev Roll2 DC (BW)	Developing sleeve roller DC bias in black/white mode (50/40 ppm model only)	0 to 255	101 ^{*1}
Display	Description																																												
Dev Roll2 DC	Developing sleeve roller DC bias																																												
Dev Roll1(Calib)DC	Developing magnet roller DC bias (toner thick layer calibration)																																												
Dev Roll2 AC	Developing sleeve roller AC bias																																												
Dev Roll1DC	Developing magnet roller DC bias																																												
Roll1 DC Int	Developing magnet roller paper interval DC bias																																												
Dev Roll1AC	Developing magnet roller AC bias																																												
DEV Roll Freq	Developing magnet roller frequency																																												
DEV Roll Duty	Developing magnet roller duty																																												
Dev Roll2 Duty	Developing sleeve roller duty																																												
Display	Description	Setting range	Initial setting																																										
Dev Roll2 DC (C)	Developing sleeve roller DC bias for cyan	0 to 255	93 ^{*1} /80 ^{*2}																																										
Dev Roll2 DC (M)	Developing sleeve roller DC bias for magenta	0 to 255	93 ^{*1} /80 ^{*2}																																										
Dev Roll2 DC (Y)	Developing sleeve roller DC bias for yellow	0 to 255	93 ^{*1} /80 ^{*2}																																										
Dev Roll2 DC (K)	Developing sleeve roller DC bias for black	0 to 255	93 ^{*1} /80 ^{*2}																																										
Dev Roll2 DC (BW)	Developing sleeve roller DC bias in black/white mode (50/40 ppm model only)	0 to 255	101 ^{*1}																																										

Maintenance item No.	Description			
U140	Setting: [Dev Roll1(Calib)DC]			
	1. Select the item to be set. 2. Change the value using the +/- or numeric keys.			
	DEV Roll1 DC1 (K)	Developing magnet roller DC1 bias for black	0 to 255	112 ^{*1} /102 ^{*2}
	DEV Roll1 DC2 (K)	Developing magnet roller DC2 bias for black	0 to 255	142 ^{*1} /129 ^{*2}
	DEV Roll1 DC3 (K)	Developing magnet roller DC3 bias for black	0 to 255	173 ^{*1} /155 ^{*2}
	DEV Roll1 DC4 (K)	Developing magnet roller DC4 bias for black	0 to 255	204 ^{*1} /182 ^{*2}
	DEV Roll1 DC1 (CMY)	Developing magnet roller DC1 bias for cyan/magenta/yellow	0 to 255	112 ^{*1} /102 ^{*2}
	DEV Roll1 DC2 (CMY)	Developing magnet roller DC2 bias for cyan/magenta/yellow	0 to 255	142 ^{*1} /129 ^{*2}
	DEV Roll1 DC3 (CMY)	Developing magnet roller DC3 bias for cyan/magenta/yellow	0 to 255	173 ^{*1} /155 ^{*2}
	DEV Roll1 DC4 (CMY)	Developing magnet roller DC4 bias for cyan/magenta/yellow	0 to 255	204 ^{*1} /182 ^{*2}
	*1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model			
	3. Press the start key. The value is set.			
	Setting: [Dev Roll2 AC]			
	1. Select the item to be set. 2. Change the value using the +/- or numeric keys.			
	Dev Roll2 AC (C)	Developing sleeve roller AC bias for cyan	0 to 255	174
	Dev Roll2 AC (M)	Developing sleeve roller AC bias for magenta	0 to 255	174
	Dev Roll2 AC (Y)	Developing sleeve roller AC bias for yellow	0 to 255	174
	Dev Roll2 AC (K)	Developing sleeve roller AC bias for black	0 to 255	174
	Dev Roll2 AC (BW)	Developing sleeve roller AC bias in black/white mode (50/40 ppm model only)	0 to 255	174
	3. Press the start key. The value is set.			
	Setting: [Dev Roll1DC]			
	1. Select the item to be set. 2. Change the value using the +/- or numeric keys.			
Dev Roll1 DC (C)	Developing magnet roller DC bias for cyan	0 to 255	162	
Dev Roll1 DC (M)	Developing magnet roller DC bias for magenta	0 to 255	162	
Dev Roll1 DC (Y)	Developing magnet roller DC bias for yellow	0 to 255	162	
Dev Roll1 DC (K)	Developing magnet roller DC bias for black	0 to 255	162	
Dev Roll1 DC (BW)	Developing magnet roller DC bias in black/white mode (50/40 ppm model only)	0 to 255	162	
3. Press the start key. The value is set.				

Maintenance item No.	Description																											
U140	Setting: [Roll1 DC Int]																											
	<ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. 																											
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U140	<p>Setting: [DEV Roll Duty]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Dev Roll1 Duty C</td> <td>Developing magnet roller Duty for cyan</td> <td>0 to 5000</td> <td>592</td> </tr> <tr> <td>Dev Roll1 Duty M</td> <td>Developing magnet roller Duty for magenta</td> <td>0 to 5000</td> <td>592</td> </tr> <tr> <td>Dev Roll1 Duty Y</td> <td>Developing magnet roller Duty for yellow</td> <td>0 to 5000</td> <td>592</td> </tr> <tr> <td>Dev Roll1 Duty B</td> <td>Developing magnet roller Duty for black</td> <td>0 to 5000</td> <td>592</td> </tr> <tr> <td>Dev Roll1 Duty BW</td> <td>Developing magnet roller Duty in black/white mode (50/40 ppm model only)</td> <td>0 to 5000</td> <td>592</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Setting: [Dev Roll2 Duty]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Dev Roll2 Duty C</td> <td>Developing sleeve roller Duty for cyan</td> <td>0 to 5000</td> <td>373</td> </tr> <tr> <td>Dev Roll2 Duty M</td> <td>Developing sleeve roller Duty for magenta</td> <td>0 to 5000</td> <td>373</td> </tr> <tr> <td>Dev Roll2 Duty Y</td> <td>Developing sleeve roller Duty for yellow</td> <td>0 to 5000</td> <td>373</td> </tr> <tr> <td>Dev Roll2 Duty B</td> <td>Developing sleeve roller Duty for black</td> <td>0 to 5000</td> <td>373</td> </tr> <tr> <td>Dev Roll2 Duty BW</td> <td>Developing sleeve roller Duty in black/white mode (50/40 ppm model only)</td> <td>0 to 5000</td> <td>373</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Dev Roll1 Duty C	Developing magnet roller Duty for cyan	0 to 5000	592	Dev Roll1 Duty M	Developing magnet roller Duty for magenta	0 to 5000	592	Dev Roll1 Duty Y	Developing magnet roller Duty for yellow	0 to 5000	592	Dev Roll1 Duty B	Developing magnet roller Duty for black	0 to 5000	592	Dev Roll1 Duty BW	Developing magnet roller Duty in black/white mode (50/40 ppm model only)	0 to 5000	592	Display	Description	Setting range	Initial setting	Dev Roll2 Duty C	Developing sleeve roller Duty for cyan	0 to 5000	373	Dev Roll2 Duty M	Developing sleeve roller Duty for magenta	0 to 5000	373	Dev Roll2 Duty Y	Developing sleeve roller Duty for yellow	0 to 5000	373	Dev Roll2 Duty B	Developing sleeve roller Duty for black	0 to 5000	373	Dev Roll2 Duty BW	Developing sleeve roller Duty in black/white mode (50/40 ppm model only)	0 to 5000	373
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U147	<p>Setting for toner applying operation</p> <p>Description Sets the mode for removing charged toner in the developing unit (T7 control: Toner applying operation).</p> <p>Purpose Changing settings are not required. However, when the documents with lower print density (e.g. less than 2%) should customarily printed in a great volume, mode must be changed. If the charged toner stays inside the developing unit, density decreases.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. The setting screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Transition Time</td> <td>Duration of toner applying</td> </tr> <tr> <td>Set Operation Mode</td> <td>Settings for toner applying operation</td> </tr> <tr> <td>Upper Limit</td> <td>Upper limit printing ratio of toner applying quantity with each mode</td> </tr> <tr> <td>Sleeve Cleaning</td> <td>Toner collection operational interval on developing sleeve after the toner applying operation (T7 control)</td> </tr> <tr> <td>Set Drum Cleaning Mode</td> <td>Settings for developing the toner layer in accordance with coverage ratio</td> </tr> <tr> <td>Set Minimum Value</td> <td>Toner layer width when [Set Drum Cleaning Mode] is selected</td> </tr> </tbody> </table> <p>Setting: [Transition Time]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Transition Time</td> <td>Duration of toner applying</td> <td>0 to 255 (s)</td> <td>50</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Setting: [Set Operation Mode]</p> <ol style="list-style-type: none"> 1. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>Do not applying the toner operation</td> </tr> <tr> <td>MODE1</td> <td>Normal mode</td> </tr> <tr> <td>MODE2</td> <td>Toner consumption mode</td> </tr> </tbody> </table> <p>Initial setting: MODE1</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. <p>Setting: [Upper Limit]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Upper Limit</td> <td>Upper limit printing ratio of toner applying quantity with each mode</td> <td>0 to 10 (%)</td> <td>5 (%)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Setting: [Sleeve Cleaning]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Sleeve Clean Int</td> <td>Toner collection operational interval on developing sleeve after the toner applying operation (T7 control)</td> <td>10 to 300 (s)</td> <td>60 (s)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	Transition Time	Duration of toner applying	Set Operation Mode	Settings for toner applying operation	Upper Limit	Upper limit printing ratio of toner applying quantity with each mode	Sleeve Cleaning	Toner collection operational interval on developing sleeve after the toner applying operation (T7 control)	Set Drum Cleaning Mode	Settings for developing the toner layer in accordance with coverage ratio	Set Minimum Value	Toner layer width when [Set Drum Cleaning Mode] is selected	Display	Description	Setting range	Initial setting	Transition Time	Duration of toner applying	0 to 255 (s)	50	Display	Description	OFF	Do not applying the toner operation	MODE1	Normal mode	MODE2	Toner consumption mode	Display	Description	Setting range	Initial setting	Upper Limit	Upper limit printing ratio of toner applying quantity with each mode	0 to 10 (%)	5 (%)	Display	Description	Setting range	Initial setting	Sleeve Clean Int	Toner collection operational interval on developing sleeve after the toner applying operation (T7 control)	10 to 300 (s)	60 (s)
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U147	<p>Setting: [Set Drum Cleaning Mode] Modify settings only if faulty images, such as smear, occurs in a high humid environment.</p> <ol style="list-style-type: none"> Select the mode to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MODE1</td> <td>Constitutes a toner layer if the print coverage is less than 2%. (excludes the maximum paper width A3/A4)</td> </tr> <tr> <td>MODE2</td> <td>Apply toner regardless of the current print coverage.</td> </tr> </tbody> </table> <p>Initial setting: MODE1</p> <ol style="list-style-type: none"> Press the start key. The setting is set. <p>Setting: [Set Minimum Value]</p> <ol style="list-style-type: none"> Change the setting value using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Minimum Value</td> <td>Toner layer width (mm)</td> <td>0 to 30 (mm)</td> <td>MODE1: 10 MODE2: 20</td> </tr> </tbody> </table> <p>The initial setting value depends on the setting of [Set Drum Cleaning Mode].</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MODE1	Constitutes a toner layer if the print coverage is less than 2%. (excludes the maximum paper width A3/A4)	MODE2	Apply toner regardless of the current print coverage.	Display	Description	Setting range	Initial setting	Minimum Value	Toner layer width (mm)	0 to 30 (mm)	MODE1: 10 MODE2: 20
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U148	<p>Setting drum refresh mode</p> <p>Description Selects the mode used in drum refreshing</p> <p>Purpose Change settings when drum refreshing is too frequently executed.</p> <p>Setting</p> <ol style="list-style-type: none"> Press the start key. Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>Drum refreshing is not performed</td> </tr> <tr> <td>ON</td> <td>Drum refreshing is performed</td> </tr> </tbody> </table> <p>Initial setting: ON</p> <ol style="list-style-type: none"> Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	OFF	Drum refreshing is not performed	ON	Drum refreshing is performed								
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ON	Drum refreshing is performed														

Maintenance item No.	Description																												
<p>U155</p>	<p>Displaying the toner sensor output Description Displays the toner sensor output value. Purpose To check the output value for each color when any image problems occur.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. The screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Overflow</td> <td>Waste toner sensor</td> </tr> <tr> <td>Toner Sensor</td> <td>Control voltage value and replenishment level of toner sensor each color</td> </tr> </tbody> </table> <p>Displaying: [Overflow]</p> <ol style="list-style-type: none"> 1. Select [Overflow]. The current value is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Waste Toner Overflow</td> <td>Waste toner sensor</td> </tr> </tbody> </table> <p>Displaying: [Toner Sensor]</p> <ol style="list-style-type: none"> 1. Select [Toner Sensor]. The current value is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>INPUT (C)</td> <td>Toner sensor C output value</td> </tr> <tr> <td>INPUT (M)</td> <td>Toner sensor M output value</td> </tr> <tr> <td>INPUT (Y)</td> <td>Toner sensor Y output value</td> </tr> <tr> <td>INPUT (K)</td> <td>Toner sensor K output value</td> </tr> <tr> <td>TARGET (C)</td> <td>Toner replenishment level for cyan</td> </tr> <tr> <td>TARGET (M)</td> <td>Toner replenishment level for magenta</td> </tr> <tr> <td>TARGET (Y)</td> <td>Toner replenishment level for yellow</td> </tr> <tr> <td>TARGET (K)</td> <td>Toner replenishment level for black</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Overflow	Waste toner sensor	Toner Sensor	Control voltage value and replenishment level of toner sensor each color	Display	Description	Waste Toner Overflow	Waste toner sensor	Display	Description	INPUT (C)	Toner sensor C output value	INPUT (M)	Toner sensor M output value	INPUT (Y)	Toner sensor Y output value	INPUT (K)	Toner sensor K output value	TARGET (C)	Toner replenishment level for cyan	TARGET (M)	Toner replenishment level for magenta	TARGET (Y)	Toner replenishment level for yellow	TARGET (K)	Toner replenishment level for black
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TARGET (K)	Toner replenishment level for black																												

Maintenance item No.	Description																																																						
U156	<p>Setting the toner replenishment level</p> <p>Description Sets the toner replenishment level for each color.</p> <p>Purpose To change settings according to the original image.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Supply Level</td> <td>Setting the toner replenishment level</td> </tr> <tr> <td>Empty Level</td> <td>Setting the toner empty level</td> </tr> </tbody> </table> <p>Method: [Supply Level]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- or numeric keys. Increasing the setting makes the image lighter; decreasing it makes the image darker. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Supply Level (C)</td> <td>Toner replenishment level for cyan</td> <td>0 to 900</td> <td>502</td> </tr> <tr> <td>Supply Level (M)</td> <td>Toner replenishment level for magenta</td> <td>0 to 900</td> <td>502</td> </tr> <tr> <td>Supply Level (Y)</td> <td>Toner replenishment level for yellow</td> <td>0 to 900</td> <td>502</td> </tr> <tr> <td>Supply Level (K)</td> <td>Toner replenishment level for black</td> <td>0 to 900</td> <td>502</td> </tr> <tr> <td>Supply Level (K)BW*</td> <td>Toner replenishment level for black in black/white mode</td> <td>0 to 900</td> <td>502</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Method: [Empty Level]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- or numeric keys. Increasing the setting makes the image lighter; decreasing it makes the image darker. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Empty Level (C)</td> <td>Toner empty level for cyan</td> <td>1 to 1023</td> <td>101</td> </tr> <tr> <td>Empty Level (Y)</td> <td>Toner empty level for magenta</td> <td>1 to 1023</td> <td>101</td> </tr> <tr> <td>Empty Level (M)</td> <td>Toner empty level for yellow</td> <td>1 to 1023</td> <td>101</td> </tr> <tr> <td>Empty Level (K)</td> <td>Toner empty level for black</td> <td>1 to 1023</td> <td>101</td> </tr> <tr> <td>Empty Level (K)BW*</td> <td>Toner empty level for black in black/white mode</td> <td>1 to 1023</td> <td>101</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Supply Level	Setting the toner replenishment level	Empty Level	Setting the toner empty level	Display	Description	Setting range	Initial setting	Supply Level (C)	Toner replenishment level for cyan	0 to 900	502	Supply Level (M)	Toner replenishment level for magenta	0 to 900	502	Supply Level (Y)	Toner replenishment level for yellow	0 to 900	502	Supply Level (K)	Toner replenishment level for black	0 to 900	502	Supply Level (K)BW*	Toner replenishment level for black in black/white mode	0 to 900	502	Display	Description	Setting range	Initial setting	Empty Level (C)	Toner empty level for cyan	1 to 1023	101	Empty Level (Y)	Toner empty level for magenta	1 to 1023	101	Empty Level (M)	Toner empty level for yellow	1 to 1023	101	Empty Level (K)	Toner empty level for black	1 to 1023	101	Empty Level (K)BW*	Toner empty level for black in black/white mode	1 to 1023	101
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Maintenance item No.	Description										
<p>U157</p>	<p>Checking the developing drive time Description Displays the developing drive time for checking a figure, which is used as a reference when correcting the toner control. Purpose To check the developing drive time after replacing the developing unit. Method 1. Press the start key. The developing drive time of each color is displayed.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>C TIME(min)</td> <td>Cyan developing drive time</td> </tr> <tr> <td>M TIME(min)</td> <td>Magenta developing drive time</td> </tr> <tr> <td>Y TIME(min)</td> <td>Yellow developing drive time</td> </tr> <tr> <td>K TIME(min)</td> <td>Black developing drive time</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C TIME(min)	Cyan developing drive time	M TIME(min)	Magenta developing drive time	Y TIME(min)	Yellow developing drive time	K TIME(min)	Black developing drive time
Display	Description										
C TIME(min)	Cyan developing drive time										
M TIME(min)	Magenta developing drive time										
Y TIME(min)	Yellow developing drive time										
K TIME(min)	Black developing drive time										
<p>U158</p>	<p>Checking the developing count Description Displays the developing count for checking. Purpose To check the developing count after replacement of the developing unit. Method 1. Press the start key. The current developing counts are displayed for each color.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Develop Count (C)</td> <td>Cyan developing count value</td> </tr> <tr> <td>Develop Count (M)</td> <td>Magenta developing count value</td> </tr> <tr> <td>Develop Count (Y)</td> <td>Yellow developing count value</td> </tr> <tr> <td>Develop Count (K)</td> <td>Black developing count value</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Develop Count (C)	Cyan developing count value	Develop Count (M)	Magenta developing count value	Develop Count (Y)	Yellow developing count value	Develop Count (K)	Black developing count value
Display	Description										
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Develop Count (K)	Black developing count value										

Maintenance item No.	Description																																						
U161	<p>Setting the fuser control temperature</p> <p>Description Changes the fuser control temperature.</p> <p>Purpose Normally no change is necessary. However, can be used to prevent curling or creasing of paper, or solve a fuser problem on thick paper.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Ready Temp.</td> <td>Standby temperature control</td> <td>50 to 200</td> <td>160^{*1}/153^{*2}</td> </tr> <tr> <td>Stable (Driving)</td> <td>Stabilized temperature during operation</td> <td>130 to 200</td> <td>165^{*1}/160^{*2}</td> </tr> <tr> <td>Stable (Stop)</td> <td>Stabilized temperature under suspension</td> <td>130 to 200</td> <td>165^{*1}/160^{*2}</td> </tr> <tr> <td>Temp. Print Full</td> <td>Temperature control during printing</td> <td>130 to 200</td> <td>165^{*1}/160^{*2}</td> </tr> <tr> <td>Shift Print Dup</td> <td>Temperature control during duplex-printing</td> <td>-10 to 0</td> <td>-5^{*1}/0^{*2}</td> </tr> <tr> <td>P. Roller Temp.</td> <td>Press roller control temperature</td> <td>100 to 160</td> <td>140^{*1}</td> </tr> <tr> <td>Stability Condition</td> <td>Fuser stability condition</td> <td>0/1</td> <td>0</td> </tr> </tbody> </table> <p>*1: 40/40, 50/40 ppm model *2: 25/25, 30/30 ppm model</p> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Setting: [Stability Condition]</p> <ol style="list-style-type: none"> 1. Change the setting using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Printing is allowed only if the fuser temperature is within the specified temperature range. If the current temperature is above the specified temperature range, you must wait until the temperature falls to within the range.</td> </tr> <tr> <td>1</td> <td>Printing is allowed when the fuser temperature is above the specified temperature range. If the current temperature is above the specified temperature range, gloss may appear in the image.</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Ready Temp.	Standby temperature control	50 to 200	160 ^{*1} /153 ^{*2}	Stable (Driving)	Stabilized temperature during operation	130 to 200	165 ^{*1} /160 ^{*2}	Stable (Stop)	Stabilized temperature under suspension	130 to 200	165 ^{*1} /160 ^{*2}	Temp. Print Full	Temperature control during printing	130 to 200	165 ^{*1} /160 ^{*2}	Shift Print Dup	Temperature control during duplex-printing	-10 to 0	-5 ^{*1} /0 ^{*2}	P. Roller Temp.	Press roller control temperature	100 to 160	140 ^{*1}	Stability Condition	Fuser stability condition	0/1	0	Display	Description	0	Printing is allowed only if the fuser temperature is within the specified temperature range. If the current temperature is above the specified temperature range, you must wait until the temperature falls to within the range.	1	Printing is allowed when the fuser temperature is above the specified temperature range. If the current temperature is above the specified temperature range, gloss may appear in the image.
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1	Printing is allowed when the fuser temperature is above the specified temperature range. If the current temperature is above the specified temperature range, gloss may appear in the image.																																						
U163	<p>Resetting the fuser problem data</p> <p>Description Resets the detection of a service call code indicating a problem in the fuser section.</p> <p>Purpose To prevent accidents due to an abnormally high fuser temperature.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [Execute]. 3. Press the start key. The fuser problem data is initialized. 4. Turn the main power switch off and on. 																																						

Maintenance item No.	Description								
<p>U167</p>	<p>Checking/clearing the fuser count Description Displays and clears the fuser count for checking. Purpose To check or clear the fuser count after replacement of the fuser unit. Also to clear the counts after replacing unit. Method 1. Press the start key. The fuser count is displayed.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Fixing Counter</td> <td>Fuser count value</td> </tr> </tbody> </table> <p>Clearing 1. Press [Clear Counter]. 2. Press the start key. The count is cleared. Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Fixing Counter	Fuser count value				
Display	Description								
Fixing Counter	Fuser count value								
<p>U199</p>	<p>Displaying fuser heater temperature Description Displays the detected fuser temperature. Purpose To check the fuser temperature. Method 1. Press the start key. The current setting is displayed.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>HEAT EDGE TEMP</td> <td>Heat roller edge temperature (°C)</td> </tr> <tr> <td>HEAT CENTER TEMP</td> <td>Heat roller center temperature (°C)</td> </tr> <tr> <td>PRESS TEMP*</td> <td>Press roller center temperature (°C)</td> </tr> </tbody> </table> <p>*: 40/40, 50/40 ppm model only. Completion Press the stop key. The screen for selecting a maintenance mode No. is displayed.</p>	Display	Description	HEAT EDGE TEMP	Heat roller edge temperature (°C)	HEAT CENTER TEMP	Heat roller center temperature (°C)	PRESS TEMP*	Press roller center temperature (°C)
Display	Description								
HEAT EDGE TEMP	Heat roller edge temperature (°C)								
HEAT CENTER TEMP	Heat roller center temperature (°C)								
PRESS TEMP*	Press roller center temperature (°C)								
<p>U200</p>	<p>Turning all LEDs on Description Turns all the LEDs on the operation panel on. Purpose To check if all the LEDs on the operation panel light. Method 1. Press the start key. 2. Select [ALL LED ON]. All the LEDs on the operation panel light. 3. Press the stop key. The LEDs turns off. Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>								

Maintenance item No.	Description						
U201	<p>Initializing the touch panel</p> <p>Description Automatically correct the positions of the X- and Y-axes of the touch panel.</p> <p>Purpose To automatically correct the display positions on the touch panel after it is replaced.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the [INITIALIZE] or [CHECK]. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>INITIALIZE</td> <td>Adjusts the display on the panel automatically.</td> </tr> <tr> <td>CHECK</td> <td>Checks the display on the touch panel.</td> </tr> </tbody> </table> <p>Method: [INITIALIZE]</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press the center of the + keys. Be sure to press three + keys displayed in order. The touch panel is adjusted automatically. 3. Press the indicated three + keys, and then check the display. 4. Press the stop key. The screen for selecting a maintenance item No. is displayed. <p>Method: [CHECK]</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press the indicated three + keys, and then check the display. When adjusting the display, press [INITIALIZE] to execute the adjustment automatically. 3. Press the stop key. The screen for selecting a maintenance item No. is displayed. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	INITIALIZE	Adjusts the display on the panel automatically.	CHECK	Checks the display on the touch panel.
Display	Description						
INITIALIZE	Adjusts the display on the panel automatically.						
CHECK	Checks the display on the touch panel.						
U202	<p>Setting the KMAS host monitoring system</p> <p>Description Initializes or operates the KMAS host monitoring system. This is an optional device which is currently supported only by Japanese specification machines, so no setting is necessary.</p>						

Maintenance item No.	Description																																
U203	<p>Operating the DP separately</p> <p>Description Simulates the original conveying operation separately in the DP.</p> <p>Purpose To check the DP operation.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Place an original in the DP if running this simulation with paper. 3. Select the item to be operated. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>CCD ADP (NON P)</td> <td>Without paper, single-sided original of CCD (continuous operation)</td> <td>-</td> <td>-</td> </tr> <tr> <td>CCD ADP</td> <td>With paper, single-sided original of CCD</td> <td>-</td> <td>-</td> </tr> <tr> <td>CCD RADP (NON P)</td> <td>Without paper, double-sided original of CCD (continuous operation)</td> <td>-</td> <td>-</td> </tr> <tr> <td>CCD RADP</td> <td>With paper, double-sided original of CCD</td> <td>-</td> <td>-</td> </tr> <tr> <td>CIS RADP (NON P)*</td> <td>Without paper, double-sided original of CIS (continuous operation)</td> <td>-</td> <td>-</td> </tr> <tr> <td>CIS RADP*</td> <td>With paper, double-sided original of CIS</td> <td>-</td> <td>-</td> </tr> <tr> <td>SPEED</td> <td>Switching between normal reading (600 dpi) and high-speed reading</td> <td>0 (Normal)/ 1 (High-speed)</td> <td>0</td> </tr> </tbody> </table> <p>*: Dual scan DP only.</p> <ol style="list-style-type: none"> 4. Press the start key. The operation starts. 5. To stop continuous operation, press the stop key. <p>Completion Press the stop key when the operation stops. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	CCD ADP (NON P)	Without paper, single-sided original of CCD (continuous operation)	-	-	CCD ADP	With paper, single-sided original of CCD	-	-	CCD RADP (NON P)	Without paper, double-sided original of CCD (continuous operation)	-	-	CCD RADP	With paper, double-sided original of CCD	-	-	CIS RADP (NON P)*	Without paper, double-sided original of CIS (continuous operation)	-	-	CIS RADP*	With paper, double-sided original of CIS	-	-	SPEED	Switching between normal reading (600 dpi) and high-speed reading	0 (Normal)/ 1 (High-speed)	0
Display	Description	Setting range	Initial setting																														
CCD ADP (NON P)	Without paper, single-sided original of CCD (continuous operation)	-	-																														
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CCD RADP (NON P)	Without paper, double-sided original of CCD (continuous operation)	-	-																														
CCD RADP	With paper, double-sided original of CCD	-	-																														
CIS RADP (NON P)*	Without paper, double-sided original of CIS (continuous operation)	-	-																														
CIS RADP*	With paper, double-sided original of CIS	-	-																														
SPEED	Switching between normal reading (600 dpi) and high-speed reading	0 (Normal)/ 1 (High-speed)	0																														

Maintenance item No.	Description														
U204	<p>Setting the presence or absence of a key card or key counter</p> <p>Description Sets the presence or absence of the optional key card or key counter.</p> <p>Purpose To run this maintenance item if a key card or key counter is installed.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. The setting screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Device Setting</td> <td>Sets the presence or absence of the key card or key counter</td> </tr> <tr> <td>Message Setting</td> <td>Sets the message when optional equipment is not installed</td> </tr> </tbody> </table> <p>Setting: [KEY-DEVICE]</p> <ol style="list-style-type: none"> 1. Select the optional counter to be installed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Key-Card</td> <td>The key card is installed</td> </tr> <tr> <td>Key-Counter</td> <td>The key counter is installed</td> </tr> <tr> <td>OFF</td> <td>Not installed</td> </tr> </tbody> </table> <p>Initial setting: OFF</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. <p>Setting: [MESSAGE]</p> <ol style="list-style-type: none"> 1. Select the [Key Device] or [Coin Vender]. 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. 	Display	Description	Device Setting	Sets the presence or absence of the key card or key counter	Message Setting	Sets the message when optional equipment is not installed	Display	Description	Key-Card	The key card is installed	Key-Counter	The key counter is installed	OFF	Not installed
Display	Description														
Device Setting	Sets the presence or absence of the key card or key counter														
Message Setting	Sets the message when optional equipment is not installed														
Display	Description														
Key-Card	The key card is installed														
Key-Counter	The key counter is installed														
OFF	Not installed														
U206	<p>Setting the presence or absence of the coin vender</p> <p>Description Sets the presence or absence of the optional coin vender. Also sets the details for coin vender operation, such as mode and unit price. This is an optional device which is currently supported only by Japanese specification machines, so no setting is necessary.</p>														
U207	<p>Checking the operation panel keys</p> <p>Description Checks operation of the operation panel keys.</p> <p>Purpose To check operation of all the keys and LEDs on the operation panel.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The screen for executing is displayed. 2. COUNT0 is displayed and the leftmost LED on the operation panel lights. 3. As the keys lined up in the same line as the lit indicator are pressed in the order from the top to the bottom, the figure shown on the touch panel increases in increments of 1. When all the keys in that line are pressed and if there are any LEDs corresponding to the keys in the line on the immediate right, the top LED in that line will light. 4. When all the keys on the operation panel have been pressed, all the LEDs light for up to 10 seconds. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>														

Maintenance item No.	Description										
U208	<p>Setting the paper size for the paper feeder</p> <p>Description Sets the size of paper used in 3000-sheet paper feeder.</p> <p>Purpose To change the setting when installing the 3000-sheet paper feeder or the size of paper used in the paper feeder is changed.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the paper size (A4, B5 or Letter). Initial setting: Letter (Inch specifications) A4 (Metric specifications) 3. Press the start key. The setting is set. 4. Turn the main power switch off and on. 										
U221	<p>Setting the USB host lock function</p> <p>Description Specifies ON/OFF the USB host lock function. Setting this to ON causes the machine to be unable to recognize the device connected to the USB host.</p> <p>Purpose Set according to the preference of the user.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>USB HOST LOCK</td> <td>USB host lock function ON/OFF setting</td> </tr> </tbody> </table> <p>Setting: [USB HOST LOCK]</p> <ol style="list-style-type: none"> 1. Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>USB host lock function ON</td> </tr> <tr> <td>OFF</td> <td>USB host lock function OFF</td> </tr> </tbody> </table> <p>Initial setting: OFF</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. 	Display	Description	USB HOST LOCK	USB host lock function ON/OFF setting	Display	Description	ON	USB host lock function ON	OFF	USB host lock function OFF
Display	Description										
USB HOST LOCK	USB host lock function ON/OFF setting										
Display	Description										
ON	USB host lock function ON										
OFF	USB host lock function OFF										
U222	<p>Setting the IC card type</p> <p>Description Sets the IC card type. This is an optional device which is currently supported only by Japanese specification machines, so no setting is necessary.</p>										

Maintenance item No.	Description																
U223	<p>Operation panel lock</p> <p>Description Sets the operation panel lock function to ON or OFF.</p> <p>Purpose To restrict operation in the system menu on the operation panel.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Unlock</td> <td>Release the lock of the operation from the system menu</td> </tr> <tr> <td>Partial Lock</td> <td>Partially lock the operation from the system menu</td> </tr> <tr> <td>Lock</td> <td>Entirely lock the operation from the system menu</td> </tr> </tbody> </table> <p>Initial setting: Unlock</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Unlock	Release the lock of the operation from the system menu	Partial Lock	Partially lock the operation from the system menu	Lock	Entirely lock the operation from the system menu								
Display	Description																
Unlock	Release the lock of the operation from the system menu																
Partial Lock	Partially lock the operation from the system menu																
Lock	Entirely lock the operation from the system menu																
U224	<p>Panel sheet extension</p> <p>Description Changes the image data and the message of the opening screen at the machine startup and the image data and the message of the service call screen to user specified data.</p> <p>Purpose Set according to the preference of the user.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Write the image data or the message data to the USB memory. 2. Insert USB memory in USB memory slot of the machine. 3. Turn the main power switch on. 4. Enter the maintenance item. 5. Press the start key. 6. Select the [Install] or [UnInstall]. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Install</td> <td>Installs the image data or the message data</td> </tr> <tr> <td>UnInstall</td> <td>Restores the original image data or message data</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 7. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Opening Img</td> <td>Startup screen</td> </tr> <tr> <td>Call Img</td> <td>Service call image</td> </tr> <tr> <td>Call Msg Top</td> <td>Service call screen 1</td> </tr> <tr> <td>Call Msg Detail</td> <td>Service call screen 2</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 8. Press the start key. Installation or uninstallation is started. 9. When normally completed, [COMPLETE] is displayed. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Install	Installs the image data or the message data	UnInstall	Restores the original image data or message data	Display	Description	Opening Img	Startup screen	Call Img	Service call image	Call Msg Top	Service call screen 1	Call Msg Detail	Service call screen 2
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Call Msg Detail	Service call screen 2																

Maintenance item No.	Description																		
U234	<p>Setting punch destination</p> <p>Description Sets the destination of punch unit of 3000-sheet document finisher.</p> <p>Purpose To be set when installing a different punch unit from the destination of the machine.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the destination. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>AUTO</td> <td>With no punch unit</td> </tr> <tr> <td>JAPAN METRIC</td> <td>Metric (Japan) specifications</td> </tr> <tr> <td>INCH</td> <td>Inch (North America) specifications</td> </tr> <tr> <td>EUROPE METRIC</td> <td>Metric (Europe) specifications</td> </tr> </tbody> </table> <p>Initial setting: INCH (Inch specifications)/EUROPE METRIC (Metric specifications)</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. 4. Turn the main power switch off and on. 	Display	Description	AUTO	With no punch unit	JAPAN METRIC	Metric (Japan) specifications	INCH	Inch (North America) specifications	EUROPE METRIC	Metric (Europe) specifications								
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INCH	Inch (North America) specifications																		
EUROPE METRIC	Metric (Europe) specifications																		
U237	<p>Setting finisher stack quantity</p> <p>Description Sets the number of sheets of each stack on the main tray and on the Inner tray in 3000-sheet document finisher.</p> <p>Purpose To change the setting when a stack malfunction has occurred.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MAIN TRAY</td> <td>Number of sheets of stack on the main tray</td> </tr> <tr> <td>MIDDLE TRAY</td> <td>Number of sheets of stack on the internal tray for staple mode</td> </tr> </tbody> </table> <p>Setting: [MAIN TRAY]</p> <ol style="list-style-type: none"> 1. Change the setting using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Setting value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Number of sheets of stack on the main tray: 3000 sheets</td> </tr> <tr> <td>1</td> <td>Number of sheets of stack on the main tray: 1500 sheets</td> </tr> </tbody> </table> <p>Initial setting: 0</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. <p>Setting: [MIDDLE TRAY]</p> <ol style="list-style-type: none"> 1. Change the setting using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Setting value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Number of sheets of stack on the internal tray for staple mode: 50 sheets</td> </tr> <tr> <td>1</td> <td>Number of sheets of stack on the internal tray for staple mode: 30 sheets</td> </tr> </tbody> </table> <p>Initial setting: 0 Number of sheets of stack on the internal tray for non-staple copying: 10 sheets</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. 	Display	Description	MAIN TRAY	Number of sheets of stack on the main tray	MIDDLE TRAY	Number of sheets of stack on the internal tray for staple mode	Setting value	Description	0	Number of sheets of stack on the main tray: 3000 sheets	1	Number of sheets of stack on the main tray: 1500 sheets	Setting value	Description	0	Number of sheets of stack on the internal tray for staple mode: 50 sheets	1	Number of sheets of stack on the internal tray for staple mode: 30 sheets
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Maintenance item No.	Description																																																		
U240	<p>Checking the operation of the finisher</p> <p>Description Turns each motor and solenoid of 3000-sheet document finisher ON.</p> <p>Purpose To check the operation of each motor and solenoid of the 3000-sheet document finisher.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be checked. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>FINISHER MOTOR</td> <td>Checking the motor of the document finisher</td> </tr> <tr> <td>FINISHER SOL</td> <td>Checking the solenoid of the document finisher</td> </tr> <tr> <td>MAIL BOX</td> <td>Checking the motor of the mailbox</td> </tr> <tr> <td>BOOKLET</td> <td>Checking the motor of the center-folding unit</td> </tr> </tbody> </table> <p>Method: [FINISHER MOTOR]</p> <ol style="list-style-type: none"> 1. Select the item to be operated. 2. Press the start key. The operation starts. <table border="1"> <thead> <tr> <th>Display</th> <th>Motor</th> </tr> </thead> <tbody> <tr> <td>FEED IN MOTOR M</td> <td>Paper entry motor (PEM) is turned on at middle speed</td> </tr> <tr> <td>FEED IN MOTOR L</td> <td>Paper entry motor (PEM) is turned on at low speed</td> </tr> <tr> <td>CONV MOTOR H</td> <td>Paper conveying motor (PCM) is turned on at high speed</td> </tr> <tr> <td>CONV MOTOR M</td> <td>Paper conveying motor (PCM) is turned on at middle speed</td> </tr> <tr> <td>CONV MOTOR L</td> <td>Paper conveying motor (PCM) is turned on at low speed</td> </tr> <tr> <td>EJECT MOTOR H</td> <td>Eject motor (EJM) is turned on at high speed</td> </tr> <tr> <td>EJECT MOTOR M</td> <td>Eject motor (EJM) is turned on at middle speed</td> </tr> <tr> <td>EJECT MOTOR L</td> <td>Eject motor (EJM) is turned on at low speed</td> </tr> <tr> <td>SUB PATH MOTOR H</td> <td>Relief path motor (RPM) is turned on counterclockwise</td> </tr> <tr> <td>SUB PATH MOTOR M</td> <td>Relief path motor (RPM) is turned on clockwise</td> </tr> <tr> <td>BUNDLE UP MOTOR</td> <td>Paper conveying belt motor 1 (PCBM1) is turned on</td> </tr> <tr> <td>BUNDLE DOWN MOTOR</td> <td>Paper conveying belt motor 2 (PCBM2) is turned on</td> </tr> <tr> <td>WIDTH TEST(A3)</td> <td>Side registration motor 1/2 (SRM1/2) are turned on</td> </tr> <tr> <td>WIDTH TEST(LD)</td> <td>Side registration motor 1/2 (SRM1/2) are turned on</td> </tr> <tr> <td>STAPLE FR MOTOR</td> <td>Staple moving motor 1 (STMM1) is turned on</td> </tr> <tr> <td>STAPLE S MOTOR</td> <td>Staple moving motor 2 (STMM2) is turned on</td> </tr> <tr> <td>STAPLE MOTOR</td> <td>Staple motor (STM) is turned on</td> </tr> <tr> <td>TRAY MOTOR</td> <td>Main tray motor (MTM) is turned on</td> </tr> <tr> <td>PUNCH MOTOR</td> <td>Punch motor (PUNM) is turned on</td> </tr> </tbody> </table>	Display	Description	FINISHER MOTOR	Checking the motor of the document finisher	FINISHER SOL	Checking the solenoid of the document finisher	MAIL BOX	Checking the motor of the mailbox	BOOKLET	Checking the motor of the center-folding unit	Display	Motor	FEED IN MOTOR M	Paper entry motor (PEM) is turned on at middle speed	FEED IN MOTOR L	Paper entry motor (PEM) is turned on at low speed	CONV MOTOR H	Paper conveying motor (PCM) is turned on at high speed	CONV MOTOR M	Paper conveying motor (PCM) is turned on at middle speed	CONV MOTOR L	Paper conveying motor (PCM) is turned on at low speed	EJECT MOTOR H	Eject motor (EJM) is turned on at high speed	EJECT MOTOR M	Eject motor (EJM) is turned on at middle speed	EJECT MOTOR L	Eject motor (EJM) is turned on at low speed	SUB PATH MOTOR H	Relief path motor (RPM) is turned on counterclockwise	SUB PATH MOTOR M	Relief path motor (RPM) is turned on clockwise	BUNDLE UP MOTOR	Paper conveying belt motor 1 (PCBM1) is turned on	BUNDLE DOWN MOTOR	Paper conveying belt motor 2 (PCBM2) is turned on	WIDTH TEST(A3)	Side registration motor 1/2 (SRM1/2) are turned on	WIDTH TEST(LD)	Side registration motor 1/2 (SRM1/2) are turned on	STAPLE FR MOTOR	Staple moving motor 1 (STMM1) is turned on	STAPLE S MOTOR	Staple moving motor 2 (STMM2) is turned on	STAPLE MOTOR	Staple motor (STM) is turned on	TRAY MOTOR	Main tray motor (MTM) is turned on	PUNCH MOTOR	Punch motor (PUNM) is turned on
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U240	<p>Method: [FINISHER SOL]</p> <ol style="list-style-type: none"> 1. Select the item to be operated. 2. Press the start key. The operation starts. <table border="1"> <thead> <tr> <th>Display</th> <th>Solenoid</th> </tr> </thead> <tbody> <tr> <td>FEED IN SOL</td> <td>Paper entry solenoid (PESOL)</td> </tr> <tr> <td>REAR DOWN SOL 1</td> <td>Trailing edge holder solenoid 1 (TEHSOL1)</td> </tr> <tr> <td>REAR DOWN SOL 2</td> <td>Trailing edge holder solenoid 2 (TEHSOL2)</td> </tr> <tr> <td>SUB PATH SOL</td> <td>Relief path solenoid (RPSOL)</td> </tr> <tr> <td>SUB TRAY R SOL</td> <td>Feedshift solenoid 1 (FSSOL1)</td> </tr> <tr> <td>SUB TRAY L SOL</td> <td>Feedshift solenoid 2 (FSSOL2)</td> </tr> <tr> <td>BOOKLET SOL</td> <td>Centerfold feedshift solenoid (CFSSOL)</td> </tr> <tr> <td>PADDLE SOL</td> <td>Paddle solenoid (PDSOL)</td> </tr> <tr> <td>HOLD DOWN SOL</td> <td>Paper holder solenoid (PHSOL)</td> </tr> <tr> <td>EJECT SOL</td> <td>Pressure switching solenoid (PSWSOL)</td> </tr> <tr> <td>PUNCH SOL</td> <td>Punch pattern solenoid (PPSOL)</td> </tr> </tbody> </table> <p>Method: [MAIL BOX]</p> <ol style="list-style-type: none"> 1. Select the item to be operated. 2. Press the start key. The operation starts. <table border="1"> <thead> <tr> <th>Display</th> <th>Motor</th> </tr> </thead> <tbody> <tr> <td>CARRY ROLL</td> <td>Mailbox drive motor (MBDM) is turned on at paper conveying</td> </tr> <tr> <td>BRANCH ROLL</td> <td>Mailbox drive motor (MBDM) is turned on at feedshift operation</td> </tr> </tbody> </table> <p>Method: [BOOKLET]</p> <ol style="list-style-type: none"> 1. Select the item to be operated. 2. Press the start key. The operation starts. <table border="1"> <thead> <tr> <th>Display</th> <th>Motor</th> </tr> </thead> <tbody> <tr> <td>CONV MOTOR</td> <td>Centerfold main motor (CMM)</td> </tr> <tr> <td>BLADE MOTOR</td> <td>Blade motor (BLM)</td> </tr> <tr> <td>BUNDLE UP MOTOR</td> <td>Centerfold paper conveying belt motor 1 (CPCBM1)</td> </tr> <tr> <td>BUNDLE DOWN MOTOR</td> <td>Centerfold paper conveying belt motor 2 (CPCBM2)</td> </tr> <tr> <td>WIDTH TEST(A3)</td> <td>Centerfold side registration motor 1/2 (CSRM1/2)</td> </tr> <tr> <td>WIDTH TEST(LD)</td> <td>Centerfold side registration motor 1/2 (CSRM1/2)</td> </tr> <tr> <td>STAPLE MOTOR</td> <td>Centerfold staple motor (CSTM)</td> </tr> </tbody> </table> <p>Completion</p> <p>Press the stop key with the operation stopped. The screen for selecting a maintenance item No. is displayed.</p>	Display	Solenoid	FEED IN SOL	Paper entry solenoid (PESOL)	REAR DOWN SOL 1	Trailing edge holder solenoid 1 (TEHSOL1)	REAR DOWN SOL 2	Trailing edge holder solenoid 2 (TEHSOL2)	SUB PATH SOL	Relief path solenoid (RPSOL)	SUB TRAY R SOL	Feedshift solenoid 1 (FSSOL1)	SUB TRAY L SOL	Feedshift solenoid 2 (FSSOL2)	BOOKLET SOL	Centerfold feedshift solenoid (CFSSOL)	PADDLE SOL	Paddle solenoid (PDSOL)	HOLD DOWN SOL	Paper holder solenoid (PHSOL)	EJECT SOL	Pressure switching solenoid (PSWSOL)	PUNCH SOL	Punch pattern solenoid (PPSOL)	Display	Motor	CARRY ROLL	Mailbox drive motor (MBDM) is turned on at paper conveying	BRANCH ROLL	Mailbox drive motor (MBDM) is turned on at feedshift operation	Display	Motor	CONV MOTOR	Centerfold main motor (CMM)	BLADE MOTOR	Blade motor (BLM)	BUNDLE UP MOTOR	Centerfold paper conveying belt motor 1 (CPCBM1)	BUNDLE DOWN MOTOR	Centerfold paper conveying belt motor 2 (CPCBM2)	WIDTH TEST(A3)	Centerfold side registration motor 1/2 (CSRM1/2)	WIDTH TEST(LD)	Centerfold side registration motor 1/2 (CSRM1/2)	STAPLE MOTOR	Centerfold staple motor (CSTM)
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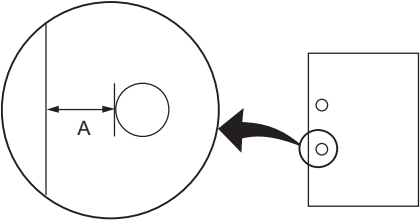
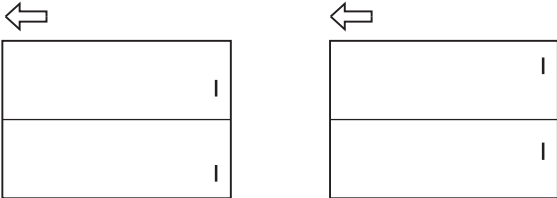
Maintenance item No.	Description																																																												
U241	<p>Checking the operation of the switches of the finisher</p> <p>Description Displays the status of each switch of 3000-sheet document finisher.</p> <p>Purpose To check the operation of each switch of the 3000-sheet document finisher.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be checked. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>FINISHER</td> <td>Checking the switch of the document finisher</td> </tr> <tr> <td>MAIL BOX</td> <td>Checking the switch of the mailbox</td> </tr> <tr> <td>BOOKLET</td> <td>Checking the switch of the center-folding unit</td> </tr> </tbody> </table> <p>Method: [FINISHER]</p> <ol style="list-style-type: none"> 1. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse. <table border="1"> <thead> <tr> <th>Display</th> <th>Switches and sensors</th> </tr> </thead> <tbody> <tr> <td>FRONT COVER SW</td> <td>Front cover switch (FCSW)</td> </tr> <tr> <td>TOP COVER SW</td> <td>Top cover switch (TCSW)</td> </tr> <tr> <td>RIGHT COVER SW</td> <td>Sub tray right switch (STRSW)</td> </tr> <tr> <td>SET SW</td> <td>Joint switch (JSW)</td> </tr> <tr> <td>BOOKLET SW</td> <td>Centerfold set switch (CSSW)</td> </tr> <tr> <td>PUNCH TANK SW</td> <td>Punch waste box sensor (PWBS)</td> </tr> <tr> <td>TRAY L-LIMIT SW</td> <td>Main tray lower limit detection sensor (MTLLDS)</td> </tr> <tr> <td>TRAY U-LIMIT SW</td> <td>Main tray upper limit detection sensor (MTULDS)</td> </tr> <tr> <td>TRAY MIDDLE SW</td> <td>Main tray middle position detection sensor (MTMPDS)</td> </tr> <tr> <td>PAPER HOLD DOWN SW</td> <td>Paper holder home position sensor (PHHPS)</td> </tr> <tr> <td>LOAD DET SW</td> <td>Main tray paper upper surface detection sensor 1,2 (MTPUSDS1,2)</td> </tr> <tr> <td>HP SW</td> <td>Paper entry sensor (PES)</td> </tr> <tr> <td>EJECT SW 1</td> <td>Eject switch 1 (ESW1)</td> </tr> <tr> <td>EJECT SW 2</td> <td>Eject switch 2 (ESW2)</td> </tr> <tr> <td>EJECT SW 3</td> <td>Eject switch 3 (ESW3)</td> </tr> <tr> <td>STAPLE HP SW 1</td> <td>Staple home position switch 1 (STHPSW1)</td> </tr> <tr> <td>STAPLE HP SW 2</td> <td>Staple home position switch 2 (STHPSW2)</td> </tr> <tr> <td>MIDDLE FEED SW1</td> <td>Inner tray paper entry sensor 1 (ITPES1)</td> </tr> <tr> <td>MIDDLE FEED SW2</td> <td>Inner tray paper entry sensor 2 (ITPES2)</td> </tr> <tr> <td>BUNDLE DET SW 1</td> <td>Paper detection sensor 1 (PDS1)</td> </tr> <tr> <td>BUNDLE DET SW 2</td> <td>Paper detection sensor 2 (PDS2)</td> </tr> <tr> <td>BUNDLE UP HP SW</td> <td>Paper conveying belt home position sensor 1 (PCBHPS1)</td> </tr> <tr> <td>BUNDLE DOWN HP SW</td> <td>Paper conveying belt home position sensor 2 (PCBHPS2)</td> </tr> <tr> <td>WIDTH HP SW 1</td> <td>Side registration home position sensor 1 (SRHPS1)</td> </tr> <tr> <td>WIDTH HP SW 2</td> <td>Side registration home position sensor 2 (SRHPS2)</td> </tr> </tbody> </table>	Display	Description	FINISHER	Checking the switch of the document finisher	MAIL BOX	Checking the switch of the mailbox	BOOKLET	Checking the switch of the center-folding unit	Display	Switches and sensors	FRONT COVER SW	Front cover switch (FCSW)	TOP COVER SW	Top cover switch (TCSW)	RIGHT COVER SW	Sub tray right switch (STRSW)	SET SW	Joint switch (JSW)	BOOKLET SW	Centerfold set switch (CSSW)	PUNCH TANK SW	Punch waste box sensor (PWBS)	TRAY L-LIMIT SW	Main tray lower limit detection sensor (MTLLDS)	TRAY U-LIMIT SW	Main tray upper limit detection sensor (MTULDS)	TRAY MIDDLE SW	Main tray middle position detection sensor (MTMPDS)	PAPER HOLD DOWN SW	Paper holder home position sensor (PHHPS)	LOAD DET SW	Main tray paper upper surface detection sensor 1,2 (MTPUSDS1,2)	HP SW	Paper entry sensor (PES)	EJECT SW 1	Eject switch 1 (ESW1)	EJECT SW 2	Eject switch 2 (ESW2)	EJECT SW 3	Eject switch 3 (ESW3)	STAPLE HP SW 1	Staple home position switch 1 (STHPSW1)	STAPLE HP SW 2	Staple home position switch 2 (STHPSW2)	MIDDLE FEED SW1	Inner tray paper entry sensor 1 (ITPES1)	MIDDLE FEED SW2	Inner tray paper entry sensor 2 (ITPES2)	BUNDLE DET SW 1	Paper detection sensor 1 (PDS1)	BUNDLE DET SW 2	Paper detection sensor 2 (PDS2)	BUNDLE UP HP SW	Paper conveying belt home position sensor 1 (PCBHPS1)	BUNDLE DOWN HP SW	Paper conveying belt home position sensor 2 (PCBHPS2)	WIDTH HP SW 1	Side registration home position sensor 1 (SRHPS1)	WIDTH HP SW 2	Side registration home position sensor 2 (SRHPS2)
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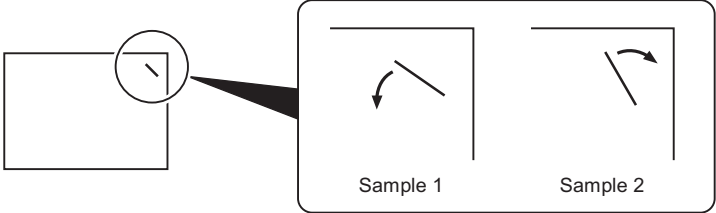
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<p>U241</p>	<p>Method: [MAIL BOX]</p> <p>1. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Switches and sensors</th> </tr> </thead> <tbody> <tr> <td>HP SW</td> <td>Mail paper entry switch (MPESW)</td> </tr> <tr> <td>EJECT SW</td> <td>Tray eject sensor (TEJS)</td> </tr> <tr> <td>COVER SW</td> <td>Mailbox cover open/close switch (MCOSW)</td> </tr> <tr> <td>OVER FLOW SW 1</td> <td>Tray overflow switch 1 (TOFSW1)</td> </tr> <tr> <td>OVER FLOW SW 2</td> <td>Tray overflow switch 2 (TOFSW2)</td> </tr> <tr> <td>OVER FLOW SW 3</td> <td>Tray overflow switch 3 (TOFSW3)</td> </tr> <tr> <td>OVER FLOW SW 4</td> <td>Tray overflow switch 4 (TOFSW4)</td> </tr> <tr> <td>OVER FLOW SW 5</td> <td>Tray overflow switch 5 (TOFSW5)</td> </tr> <tr> <td>OVER FLOW SW 6</td> <td>Tray overflow switch 6 (TOFSW6)</td> </tr> <tr> <td>OVER FLOW SW 7</td> <td>Tray overflow switch 7 (TOFSW7)</td> </tr> </tbody> </table> <p>Method: [BOOKLET]</p> <p>1. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Switches and sensors</th> </tr> </thead> <tbody> <tr> <td>BUNDLE UP HP SW</td> <td>Centerfold paper conveying belt sensor 1 (CPCBS1)</td> </tr> <tr> <td>BUNDLE DOWN HP SW</td> <td>Centerfold paper conveying belt sensor 2 (CPCBS2)</td> </tr> <tr> <td>BLADE HP SW</td> <td>Blade home position sensor (BLHPS)</td> </tr> <tr> <td>WIDTH HP SW U</td> <td>Centerfold side registration sensor 2 (CSRS2)</td> </tr> <tr> <td>WIDTH HP SW L</td> <td>Centerfold side registration sensor 1 (CSRS1)</td> </tr> <tr> <td>FEED IN SW</td> <td>Centerfold paper entry sensor (CPES)</td> </tr> <tr> <td>PAPER DET SW</td> <td>Centerfold paper detection sensor (CPDS)</td> </tr> <tr> <td>TRAY PAPER DET SW</td> <td>Tray paper detection sensor (TPDS)</td> </tr> <tr> <td>EJECT SW</td> <td>Centerfold eject switch (CESW)</td> </tr> <tr> <td>TRAY DET SW</td> <td>Centerfold top cover switch (CTCSW)</td> </tr> </tbody> </table> <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Switches and sensors	HP SW	Mail paper entry switch (MPESW)	EJECT SW	Tray eject sensor (TEJS)	COVER SW	Mailbox cover open/close switch (MCOSW)	OVER FLOW SW 1	Tray overflow switch 1 (TOFSW1)	OVER FLOW SW 2	Tray overflow switch 2 (TOFSW2)	OVER FLOW SW 3	Tray overflow switch 3 (TOFSW3)	OVER FLOW SW 4	Tray overflow switch 4 (TOFSW4)	OVER FLOW SW 5	Tray overflow switch 5 (TOFSW5)	OVER FLOW SW 6	Tray overflow switch 6 (TOFSW6)	OVER FLOW SW 7	Tray overflow switch 7 (TOFSW7)	Display	Switches and sensors	BUNDLE UP HP SW	Centerfold paper conveying belt sensor 1 (CPCBS1)	BUNDLE DOWN HP SW	Centerfold paper conveying belt sensor 2 (CPCBS2)	BLADE HP SW	Blade home position sensor (BLHPS)	WIDTH HP SW U	Centerfold side registration sensor 2 (CSRS2)	WIDTH HP SW L	Centerfold side registration sensor 1 (CSRS1)	FEED IN SW	Centerfold paper entry sensor (CPES)	PAPER DET SW	Centerfold paper detection sensor (CPDS)	TRAY PAPER DET SW	Tray paper detection sensor (TPDS)	EJECT SW	Centerfold eject switch (CESW)	TRAY DET SW	Centerfold top cover switch (CTCSW)
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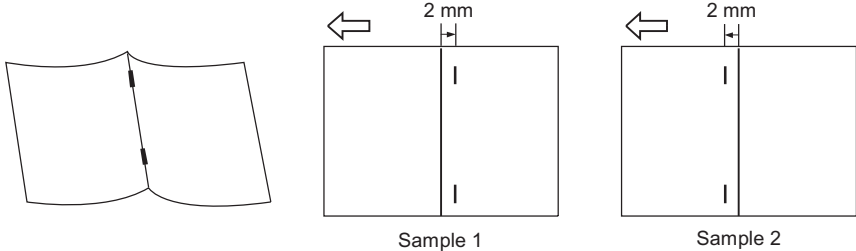
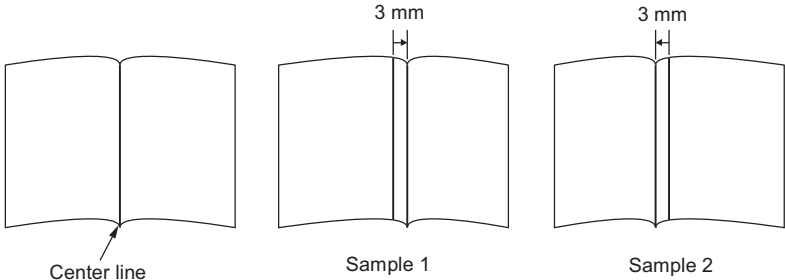
Maintenance item No.	Description																										
U243	<p>Checking the operation of the DP motors</p> <p>Description Turns the motors or solenoids in the DP on.</p> <p>Purpose To check the operation of the DP motors and solenoids.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be operated. 3. Press the start key. The operation starts. <table border="1"> <thead> <tr> <th>Display</th> <th>Motor and solenoid</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>DP FEED MOT</td> <td>Original feed motor (OFM)</td> <td>In operation</td> </tr> <tr> <td>DP CON MOT</td> <td>Original conveying motor (OCM)</td> <td>In operation</td> </tr> <tr> <td>DP REV MOT</td> <td>Original switchback motor (OSBM)</td> <td>In operation</td> </tr> <tr> <td>DP LIFT MOT</td> <td>DP lift motor (DPLM)</td> <td>In operation</td> </tr> <tr> <td>DP REV PRS SOL</td> <td>Switchback pressure solenoid (SBPSOL)</td> <td>On for 0.5 s</td> </tr> <tr> <td>DP REV BRCH SOL</td> <td>Switchback feedshift solenoid (SBFSSOL)</td> <td>On for 0.5 s</td> </tr> <tr> <td>CIS FAN*</td> <td>DP fan motor (DPFM)</td> <td>In operation</td> </tr> </tbody> </table> <p>*: Dual scan DP only.</p> <ol style="list-style-type: none"> 4. To turn each motor off, press the stop key. <p>Completion Press the stop key when operation stops. The screen for selecting a maintenance item No. is displayed.</p>	Display	Motor and solenoid	Operation	DP FEED MOT	Original feed motor (OFM)	In operation	DP CON MOT	Original conveying motor (OCM)	In operation	DP REV MOT	Original switchback motor (OSBM)	In operation	DP LIFT MOT	DP lift motor (DPLM)	In operation	DP REV PRS SOL	Switchback pressure solenoid (SBPSOL)	On for 0.5 s	DP REV BRCH SOL	Switchback feedshift solenoid (SBFSSOL)	On for 0.5 s	CIS FAN*	DP fan motor (DPFM)	In operation		
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U244	<p>Checking the DP switches</p> <p>Description Displays the status of the respective switches in the DP.</p> <p>Purpose To check if respective switches in the DP operate correctly.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Turn the respective switches on and off manually to check the status. If the on-status of a switch is detected, the corresponding switch is displayed in reverse. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>FD SW</td> <td>Original feed switch (OFSW)</td> </tr> <tr> <td>REG SW</td> <td>Original registration switch (ORSW)</td> </tr> <tr> <td>TMG SW</td> <td>DP timing switch 1 (DPTSW1)</td> </tr> <tr> <td>EJT SW</td> <td>Original eject switch (OESW)</td> </tr> <tr> <td>TRY SW</td> <td>Switchback tray switch (SBTSW)</td> </tr> <tr> <td>SET SW</td> <td>Original set switch (OSSW)</td> </tr> <tr> <td>SZ SW A</td> <td>Original size length switch (OSLSW)</td> </tr> <tr> <td>L F U SW</td> <td>Tray upper limit switch (TULSW)</td> </tr> <tr> <td>L F L SW</td> <td>Tray lower limit switch (TLLSW)</td> </tr> <tr> <td>COV OP SW</td> <td>DP interlock switch (DPILSW)</td> </tr> <tr> <td>P OP SW</td> <td>DP open/close switch (DPOCSW)</td> </tr> <tr> <td>CIS SW*</td> <td>DP timing switch 2 (DPTSW2)</td> </tr> </tbody> </table> <p>*: Dual scan DP only.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	FD SW	Original feed switch (OFSW)	REG SW	Original registration switch (ORSW)	TMG SW	DP timing switch 1 (DPTSW1)	EJT SW	Original eject switch (OESW)	TRY SW	Switchback tray switch (SBTSW)	SET SW	Original set switch (OSSW)	SZ SW A	Original size length switch (OSLSW)	L F U SW	Tray upper limit switch (TULSW)	L F L SW	Tray lower limit switch (TLLSW)	COV OP SW	DP interlock switch (DPILSW)	P OP SW	DP open/close switch (DPOCSW)	CIS SW*	DP timing switch 2 (DPTSW2)
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Maintenance item No.	Description
U245	<p>Checking messages</p> <p>Description Displays a list of messages on the touch panel of the operation panel.</p> <p>Purpose To check the messages to be displayed.</p> <p>Method</p> <ol style="list-style-type: none">1. Press the start key.2. Select the item to be displayed.3. Change the message using the cursor up/down keys. When a message number is entered with the numeric keys and then the start key is pressed, the message corresponding the specified number is displayed.4. Change the language using the +/- keys. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Maintenance item No.	Description																												
U246	<p>Setting the finisher</p> <p>Description Provides various settings for the 3000-sheet document finisher, if furnished.</p> <p>Purpose</p> <p>Adjustment of registration stop timing in punch mode Adjust if skewed paper conveying occurs or if the copy paper is Z-folded in punch mode.</p> <p>Adjustment of paper stop timing in the punch mode To adjust this item when the position of a punch hole is different from the specified one.</p> <p>Adjustment of front/rear side registration home position of Inner tray Provides optimization when paper jam occurs due to an inferior fitting of the Inner tray adjuster guides to paper.</p> <p>Adjusting of front and back/slanted stapling home position Adjusts the stapling position in the staple mode if the position is not proper. Provides adjustment of slanted stapling.</p> <p>Adjustment of upper/lower side registration home position of center-folding unit Provides optimization when paper jam occurs due to an inferior fitting of the centerfold adjuster guides to paper.</p> <p>Adjustment of booklet stapling position Adjusts the booklet stapling position in the stitching mode if the position is not proper.</p> <p>Adjustment of center folding position Adjusts the center folding position in the stitching mode if the position is not proper.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. Select the item to set. The screen for setting each item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3000 FINISHER</td> <td>Adjustment of 3000-sheet document finisher</td> </tr> <tr> <td>BOOKLET FOLDER</td> <td>Adjustment of center-folding unit</td> </tr> </tbody> </table> <p>Method: [3000 FINISHER]</p> <ol style="list-style-type: none"> Select the item to set. The screen for setting each item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>PUNCH REG ADJ</td> <td>Adjustment of registration stop timing in punch mode</td> </tr> <tr> <td>PUNCH POSITION ADJ</td> <td>Adjustment of the paper stop timing in punch mode</td> </tr> <tr> <td>WIDTH F HP ADJ</td> <td>Adjustment of front side registration home position</td> </tr> <tr> <td>WIDTH R HP ADJ</td> <td>Adjustment of rear side registration home position</td> </tr> <tr> <td>STAPLE HP ADJ</td> <td>Adjustment of front and back stapling home position</td> </tr> <tr> <td>TURNED STAPLE HP ADJ</td> <td>Adjustment of slanted stapling home position</td> </tr> </tbody> </table> <p>Setting: [PUNCH REG ADJ]</p> <ol style="list-style-type: none"> Change the setting value using the cursor up/down keys. <table border="1"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of registration stop timing</td> <td>-20 to 20</td> <td>0</td> <td>1 ms</td> </tr> </tbody> </table> <p>If skewed paper conveying occurs (sample 1), increase the preset value. If the copy paper is Z-folded (sample 2), decrease the preset value.</p> <div style="text-align: center;"> <p>Sample 1 Sample 2</p> </div> <p>Figure 1-3-16</p> <ol style="list-style-type: none"> Press the start key. The value is set. 	Display	Description	3000 FINISHER	Adjustment of 3000-sheet document finisher	BOOKLET FOLDER	Adjustment of center-folding unit	Display	Description	PUNCH REG ADJ	Adjustment of registration stop timing in punch mode	PUNCH POSITION ADJ	Adjustment of the paper stop timing in punch mode	WIDTH F HP ADJ	Adjustment of front side registration home position	WIDTH R HP ADJ	Adjustment of rear side registration home position	STAPLE HP ADJ	Adjustment of front and back stapling home position	TURNED STAPLE HP ADJ	Adjustment of slanted stapling home position	Description	Setting range	Initial setting	Change in value per step	Adjustment of registration stop timing	-20 to 20	0	1 ms
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TURNED STAPLE HP ADJ	Adjustment of slanted stapling home position																												
Description	Setting range	Initial setting	Change in value per step																										
Adjustment of registration stop timing	-20 to 20	0	1 ms																										

Maintenance item No.	Description																												
<p>U246</p>	<p>Setting: [PUNCH POSITION ADJ]</p> <p>1. Change the setting value using the +/- or numeric keys.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Description</th> <th style="width: 15%;">Setting range</th> <th style="width: 15%;">Initial setting</th> <th style="width: 10%;">Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of the paper stop timing</td> <td>-10 to 10</td> <td>0</td> <td>0.487 mm</td> </tr> </tbody> </table> <p>If the distance of the position of a punch hole is smaller than the specified value A, increase the preset value. If the distance is larger than the value A, decrease the preset value.</p> <div style="text-align: center;">  <p style="margin-left: 200px;">Preset value A: 5.5 ± 2 mm (inch) 9.5 ± 2 mm (metric)</p> </div> <p>Figure 1-3-17</p> <p>2. Press the start key. The value is set.</p> <p>Setting: [WIDTH F HP ADJ/WIDTH R HP ADJ]</p> <p>1. Select [WIDTH F HP ADJ] or [WIDTH R HP ADJ].</p> <p>2. Change the setting value using the +/- or numeric keys.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Description</th> <th style="width: 15%;">Setting range</th> <th style="width: 15%;">Initial setting</th> <th style="width: 10%;">Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of front side registration home position</td> <td>-10 to 10</td> <td>0</td> <td>0.314 mm</td> </tr> <tr> <td>Adjustment of rear side registration home position</td> <td>-10 to 10</td> <td>0</td> <td>0.314 mm</td> </tr> </tbody> </table> <p>3. Press the start key. The value is set.</p> <p>4. Press the stop key. The screen for selecting a maintenance item No. is displayed.</p> <p>5. Enter maintenance mode U240 and select FINISHER MOTOR, then WID A3 TEST. The width guides of the Inner tray will move to A3-size position.</p> <p>6. Pull the Inner tray, insert paper between the guides and check that paper is about the guides.</p> <p>7. Repeat the above adjustment until paper is properly in position.</p> <p>Setting: [STAPLE HP ADJ]</p> <p>1. Change the setting value using the +/- or numeric keys.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Description</th> <th style="width: 15%;">Setting range</th> <th style="width: 15%;">Initial setting</th> <th style="width: 10%;">Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of front and back stapling home position</td> <td>-10 to 10</td> <td>0</td> <td>0.32 mm</td> </tr> </tbody> </table> <p>When staple positions are off toward the front side of the machine (sample 1), increase the preset value. When staple positions are off toward the rear side of the machine (sample 2), decrease the preset value.</p> <div style="text-align: center;">  <p style="margin-left: 100px;">Sample 1</p> <p style="margin-left: 200px;">Sample 2</p> </div> <p>Figure 1-3-18</p> <p>2. Press the start key. The value is set.</p>	Description	Setting range	Initial setting	Change in value per step	Adjustment of the paper stop timing	-10 to 10	0	0.487 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of front side registration home position	-10 to 10	0	0.314 mm	Adjustment of rear side registration home position	-10 to 10	0	0.314 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of front and back stapling home position	-10 to 10	0	0.32 mm
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Maintenance item No.	Description																																						
U246	<p>Setting: [TURNED STAPLE HP ADJ]</p> <p>1. Change the setting value using the +/- or numeric keys.</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of slanted stapling home position</td> <td>-10 to 10</td> <td>0</td> <td>0.99°</td> </tr> </tbody> </table> <p>To increase the angle for slanted stapling (sample 1), decrease the preset value. To decrease the angle for slanted stapling (sample 2), increase the preset value.</p>  <p style="text-align: center;">Figure 1-3-19</p> <p>2. Press the start key. The value is set.</p> <p>Method: [BOOKLET FOLDER]</p> <p>1. Select the item to set. The screen for setting each item is displayed.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>WIDTH U HP ADJ</td> <td>Adjustment of upper side registration home position</td> </tr> <tr> <td>WIDTH L HP ADJ</td> <td>Adjustment of lower side registration home position</td> </tr> <tr> <td>STAPLE POS ADJ (A4R/LTR)</td> <td>Adjustment of booklet stapling position for A4/Letter size</td> </tr> <tr> <td>STAPLE POS ADJ (B4R/LGR)</td> <td>Adjustment of booklet stapling position for B4/Legal size</td> </tr> <tr> <td>STAPLE POS ADJ (A3/LD)</td> <td>Adjustment of booklet stapling position for A3/Ledger size</td> </tr> <tr> <td>SADDLE POS ADJ (A4R/LTR)</td> <td>Adjustment of center folding position for A4/Letter size</td> </tr> <tr> <td>SADDLE POS ADJ (B4R/LGR)</td> <td>Adjustment of center folding position for B4/Legal size</td> </tr> <tr> <td>SADDLE POS ADJ (A3/LD)</td> <td>Adjustment of center folding position for A3/Ledger size</td> </tr> </tbody> </table> <p>Setting: [WIDTH U HP ADJ/WIDTH L HP ADJ]</p> <p>1. Select [WIDTH U HP ADJ] or [WIDTH L HP ADJ].</p> <p>2. Change the setting value using the +/- or numeric keys.</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of upper side registration home position</td> <td>-20 to 20</td> <td>0</td> <td>0.104 mm</td> </tr> <tr> <td>Adjustment of lower side registration home position</td> <td>-46 to 46</td> <td>0</td> <td>0.104 mm</td> </tr> </tbody> </table> <p>3. Press the start key. The value is set.</p> <p>4. Press the stop key. The screen for selecting a maintenance item No. is displayed.</p> <p>5. Enter maintenance mode U240 and select [BOOKLET], then [WID A3 TEST]. The width guides of the center-folding unit will move to A3-size position.</p> <p>6. Pull the center-folding unit, insert paper between the guides and check that paper is abut the guides.</p> <p>7. Repeat the above adjustment until paper is properly in position.</p>	Description	Setting range	Initial setting	Change in value per step	Adjustment of slanted stapling home position	-10 to 10	0	0.99°	Display	Description	WIDTH U HP ADJ	Adjustment of upper side registration home position	WIDTH L HP ADJ	Adjustment of lower side registration home position	STAPLE POS ADJ (A4R/LTR)	Adjustment of booklet stapling position for A4/Letter size	STAPLE POS ADJ (B4R/LGR)	Adjustment of booklet stapling position for B4/Legal size	STAPLE POS ADJ (A3/LD)	Adjustment of booklet stapling position for A3/Ledger size	SADDLE POS ADJ (A4R/LTR)	Adjustment of center folding position for A4/Letter size	SADDLE POS ADJ (B4R/LGR)	Adjustment of center folding position for B4/Legal size	SADDLE POS ADJ (A3/LD)	Adjustment of center folding position for A3/Ledger size	Description	Setting range	Initial setting	Change in value per step	Adjustment of upper side registration home position	-20 to 20	0	0.104 mm	Adjustment of lower side registration home position	-46 to 46	0	0.104 mm
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Maintenance item No.	Description																																
<p>U246</p>	<p>Setting: [STAPLE POS ADJ]</p> <ol style="list-style-type: none"> 1. Select [STAPLE POS ADJ (A4R/LTR)], [STAPLE POS ADJ (B4R/LGR)] or [STAPLE POS ADJ (A3/LD)]. 2. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of booklet stapling position for A4/Letter size</td> <td>-10 to 10</td> <td>0</td> <td>0.55 mm</td> </tr> <tr> <td>Adjustment of booklet stapling position for B4/Legal size</td> <td>-10 to 10</td> <td>0</td> <td>0.55 mm</td> </tr> <tr> <td>Adjustment of booklet stapling position for A3/Ledger size</td> <td>-10 to 10</td> <td>0</td> <td>0.55 mm</td> </tr> </tbody> </table> <p>When staples are placed too far right (sample 1), decrease the preset value. When staples are placed too far left (sample 2), increase the preset value. Reference value: within ± 2 mm</p>  <p style="text-align: center;">Figure 1-3-20</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Setting: [SADDLE POS ADJ]</p> <ol style="list-style-type: none"> 1. Select [SADDLE POS ADJ (A4R/LTR)], [SADDLE POS ADJ (B4R/LGR)] or [SADDLE POS ADJ (A3/LD)]. 2. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of center folding position for A4/Letter size</td> <td>-10 to 10</td> <td>0</td> <td>0.55 mm</td> </tr> <tr> <td>Adjustment of center folding position for B4/Legal size</td> <td>-10 to 10</td> <td>0</td> <td>0.55 mm</td> </tr> <tr> <td>Adjustment of center folding position for A3/Ledger size</td> <td>-10 to 10</td> <td>0</td> <td>0.55 mm</td> </tr> </tbody> </table> <p>When the centerfold position too far right (sample 1), increase the preset value. When the centerfold position too far left (sample 2), decrease the setting value. Reference value: within ± 3 mm</p>  <p style="text-align: center;">Figure 1-3-21</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Description	Setting range	Initial setting	Change in value per step	Adjustment of booklet stapling position for A4/Letter size	-10 to 10	0	0.55 mm	Adjustment of booklet stapling position for B4/Legal size	-10 to 10	0	0.55 mm	Adjustment of booklet stapling position for A3/Ledger size	-10 to 10	0	0.55 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of center folding position for A4/Letter size	-10 to 10	0	0.55 mm	Adjustment of center folding position for B4/Legal size	-10 to 10	0	0.55 mm	Adjustment of center folding position for A3/Ledger size	-10 to 10	0	0.55 mm
Description	Setting range	Initial setting	Change in value per step																														
Adjustment of booklet stapling position for A4/Letter size	-10 to 10	0	0.55 mm																														
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Adjustment of center folding position for A3/Ledger size	-10 to 10	0	0.55 mm																														

Maintenance item No.	Description																														
U247	<p>Setting the paper feed device</p> <p>Description Turns on motor and clutches of 3000-sheet paper feeder or paper feeder.</p> <p>Purpose To check the operation of motor and clutches of paper feed device.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The value varies depending to the option furnished. 2. Select the item to be operated. 3. Press the start key. The operation starts. <p>3000-sheet paper feeder.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Motor and clutches</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>LCF FEED</td> <td>PF conveying motor (PFCM)</td> <td>In operation</td> </tr> <tr> <td>CLUTCH B</td> <td>PF conveying clutch (PFCL)</td> <td>On for 1 s</td> </tr> <tr> <td>CLUTCH P1</td> <td>PF paper feed clutch 1 (PFPFCL1)</td> <td>On for 1 s</td> </tr> <tr> <td>CLUTCH P2</td> <td>PF paper feed clutch 2 (PFPFCL2)</td> <td>On for 1 s</td> </tr> </tbody> </table> <p>Paper feeder</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Motor and clutches</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>DESK FEED</td> <td>PF drive motor (PFDM)</td> <td>In operation</td> </tr> <tr> <td>CLUTCH FEED</td> <td>PF feed clutch (PFCL)</td> <td>On for 1 s</td> </tr> <tr> <td>CLUTCH U</td> <td>PF paper feed clutch 1 (PFPFCL1)</td> <td>On for 1 s</td> </tr> <tr> <td>CLUTCH L</td> <td>PF paper feed clutch 2 (PFPFCL2)</td> <td>On for 1 s</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. To turn each motor off, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Motor and clutches	Operation	LCF FEED	PF conveying motor (PFCM)	In operation	CLUTCH B	PF conveying clutch (PFCL)	On for 1 s	CLUTCH P1	PF paper feed clutch 1 (PFPFCL1)	On for 1 s	CLUTCH P2	PF paper feed clutch 2 (PFPFCL2)	On for 1 s	Display	Motor and clutches	Operation	DESK FEED	PF drive motor (PFDM)	In operation	CLUTCH FEED	PF feed clutch (PFCL)	On for 1 s	CLUTCH U	PF paper feed clutch 1 (PFPFCL1)	On for 1 s	CLUTCH L	PF paper feed clutch 2 (PFPFCL2)	On for 1 s
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Display	Motor and clutches	Operation																													
DESK FEED	PF drive motor (PFDM)	In operation																													
CLUTCH FEED	PF feed clutch (PFCL)	On for 1 s																													
CLUTCH U	PF paper feed clutch 1 (PFPFCL1)	On for 1 s																													
CLUTCH L	PF paper feed clutch 2 (PFPFCL2)	On for 1 s																													

Maintenance item No.	Description												
U250	<p>Change the maintenance count pre-set</p> <p>Description Changes preset values for maintenance cycle and automatic grayscale adjustment.</p> <p>Purpose Provides changing the time when the message to acknowledge to conduct maintenance and automatic grayscale adjustment is periodically displayed.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. The current pre-set value is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> </tr> </thead> <tbody> <tr> <td>Maintenance Count A</td> <td>Preset values for maintenance cycle (Color and black/white print)</td> <td>0 to 9999999</td> </tr> <tr> <td>Maintenance Count B</td> <td>Preset values for maintenance cycle (Color print)</td> <td>0 to 9999999</td> </tr> <tr> <td>COUNT GRAY ADJUST*100</td> <td>Preset values for automatic grayscale adjustment</td> <td>0 to 99900*</td> </tr> </tbody> </table> <p>*: The setting can be changed by 100 per step.</p> <p>Clearing</p> <ol style="list-style-type: none"> 1. Select the item to be cleared. To clear all items, select [ALL CLEAR]. 2. Press the clear key. 3. Press the start key. The setting value is cleared. <p>Setting</p> <ol style="list-style-type: none"> 1. Select the item to be changed. 2. Enter the setting value using the +/- or numeric keys. 3. Press the start key. The setting value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Maintenance Count A	Preset values for maintenance cycle (Color and black/white print)	0 to 9999999	Maintenance Count B	Preset values for maintenance cycle (Color print)	0 to 9999999	COUNT GRAY ADJUST*100	Preset values for automatic grayscale adjustment	0 to 99900*
Display	Description	Setting range											
Maintenance Count A	Preset values for maintenance cycle (Color and black/white print)	0 to 9999999											
Maintenance Count B	Preset values for maintenance cycle (Color print)	0 to 9999999											
COUNT GRAY ADJUST*100	Preset values for automatic grayscale adjustment	0 to 99900*											

Maintenance item No.	Description												
U251	<p>Checking/clearing the maintenance count</p> <p>Description Displays and clears or changes the maintenance count and automatic grayscale adjustment count.</p> <p>Purpose To verify the maintenance counter count and automatic grayscale count. Also to clear the count during maintenance service.</p> <p>Method Press the start key. The maintenance count is displayed.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> </tr> </thead> <tbody> <tr> <td>Maintenance Count A</td> <td>Maintenance count (Color and black/white print)</td> <td>0 to 9999999</td> </tr> <tr> <td>Maintenance Count B</td> <td>Maintenance count (Color print)</td> <td>0 to 9999999</td> </tr> <tr> <td>COUNT (GRAY ADJUST)</td> <td>Automatic grayscale adjustment count</td> <td>0 to 9999999</td> </tr> </tbody> </table> <p>Clearing</p> <ol style="list-style-type: none"> 1. Select the item to be cleared. To clear all items, select [ALL CLEAR]. 2. Press the clear key. 3. Press the start key. The count is cleared. <p>Setting</p> <ol style="list-style-type: none"> 1. Select the item to be changed. 2. Enter the count using the numeric keys. 3. Press the start key. The count is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Maintenance Count A	Maintenance count (Color and black/white print)	0 to 9999999	Maintenance Count B	Maintenance count (Color print)	0 to 9999999	COUNT (GRAY ADJUST)	Automatic grayscale adjustment count	0 to 9999999
Display	Description	Setting range											
Maintenance Count A	Maintenance count (Color and black/white print)	0 to 9999999											
Maintenance Count B	Maintenance count (Color print)	0 to 9999999											
COUNT (GRAY ADJUST)	Automatic grayscale adjustment count	0 to 9999999											

Maintenance item No.	Description																															
U252	<p>Setting the destination</p> <p>Description Switches the operations and screens of the machine according to the destination.</p> <p>Purpose To be executed after initializing the backup RAM, in order to return the setting to the value before replacement or initialization.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the destination. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>JAPAN METRIC</td> <td>Metric (Japan) specifications</td> </tr> <tr> <td>EUROPE METRIC</td> <td>Metric (Europe) specifications</td> </tr> <tr> <td>INCH</td> <td>Inch (North America) specifications</td> </tr> <tr> <td>ASIA PACIFIC</td> <td>Metric (Asia Pacific) specifications</td> </tr> <tr> <td>AUSTRALIA</td> <td>Australia specifications</td> </tr> <tr> <td>CHINA</td> <td>China specifications</td> </tr> <tr> <td>KOREA</td> <td>Korea specifications</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. 4. Turn the main power switch off and on. <p>Supplement The specified initial settings are provided according to the destinations in the maintenance items below. To change the initial settings in those items, be sure to run maintenance item U021 after changing the destination.</p> <p>Initial setting according to the destinations</p> <table border="1"> <thead> <tr> <th>Maintenance No.</th> <th>Title</th> <th>Japan spec.</th> <th>Inch spec.</th> <th>Europe/Asia Pacific spec.</th> </tr> </thead> <tbody> <tr> <td>208</td> <td>Setting the paper size for the paper feeder</td> <td>A4</td> <td>Letter</td> <td>A4</td> </tr> <tr> <td>253</td> <td>Switching between double and single counts</td> <td>Single count</td> <td>Double count (A3/LEDGER)</td> <td>Double count (A3/LEDGER)</td> </tr> </tbody> </table>	Display	Description	JAPAN METRIC	Metric (Japan) specifications	EUROPE METRIC	Metric (Europe) specifications	INCH	Inch (North America) specifications	ASIA PACIFIC	Metric (Asia Pacific) specifications	AUSTRALIA	Australia specifications	CHINA	China specifications	KOREA	Korea specifications	Maintenance No.	Title	Japan spec.	Inch spec.	Europe/Asia Pacific spec.	208	Setting the paper size for the paper feeder	A4	Letter	A4	253	Switching between double and single counts	Single count	Double count (A3/LEDGER)	Double count (A3/LEDGER)
Display	Description																															
JAPAN METRIC	Metric (Japan) specifications																															
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208	Setting the paper size for the paper feeder	A4	Letter	A4																												
253	Switching between double and single counts	Single count	Double count (A3/LEDGER)	Double count (A3/LEDGER)																												

Maintenance item No.	Description																		
U253	<p>Switching between double and single counts</p> <p>Description Switches the count system for the total counter and other counters for every color mode.</p> <p>Purpose Used to select, according to the preference of the user (copy service provider), if A3/Ledger paper is to be counted as one sheet (single count) or two sheets (double count).</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. The screen for setting each item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Full-color</td> <td>Count system of full color mode</td> </tr> <tr> <td>Mono Color*</td> <td>Count system of single color mode</td> </tr> <tr> <td>B/W</td> <td>Count system of black/white mode</td> </tr> </tbody> </table> <p>Displayed only if the setting of U276 (Setting the copy count mode) is MODE1.</p> <ol style="list-style-type: none"> 3. Select the count system. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ALL SINGLE</td> <td>Single count for all size paper</td> </tr> <tr> <td>DOUBLE COUNT(A3/LEDGER)</td> <td>Double count for A3/Ledger size or larger</td> </tr> <tr> <td>DOUBLE COUNT(B4)</td> <td>Double count for B4 size or larger</td> </tr> <tr> <td>DOUBLE COUNT(FOLIO/LEGAL)</td> <td>Double count for FOLIO/Legal size or larger</td> </tr> </tbody> </table> <p>Initial setting: DOUBLE COUNT(A3/LEDGER)</p> <ol style="list-style-type: none"> 4. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Full-color	Count system of full color mode	Mono Color*	Count system of single color mode	B/W	Count system of black/white mode	Display	Description	ALL SINGLE	Single count for all size paper	DOUBLE COUNT(A3/LEDGER)	Double count for A3/Ledger size or larger	DOUBLE COUNT(B4)	Double count for B4 size or larger	DOUBLE COUNT(FOLIO/LEGAL)	Double count for FOLIO/Legal size or larger
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Full-color	Count system of full color mode																		
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DOUBLE COUNT(FOLIO/LEGAL)	Double count for FOLIO/Legal size or larger																		
U260	<p>Selecting the timing for copy counting</p> <p>Description Changes the copy count timing for the total counter and other counters.</p> <p>Purpose To be set according to user (copy service provider) request. If a paper jam occurs frequently in the optional document finisher when the number of copies is counted at the time of paper ejection, copies are provided without copy counts. The copy service provider cannot charge for such copying. To prevent this, the copy timing should be made earlier. If a paper jam occurs frequently in the paper conveying or fuser sections when the number of copies is counted before the paper reaches those sections, copying is charged without a copy being made. To prevent this, the copy timing should be made later.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the copy count timing. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>FEED</td> <td>When secondary paper feed starts</td> </tr> <tr> <td>EJECT</td> <td>When the paper is ejected</td> </tr> </tbody> </table> <p>Initial setting: EJECT</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	FEED	When secondary paper feed starts	EJECT	When the paper is ejected												
Display	Description																		
FEED	When secondary paper feed starts																		
EJECT	When the paper is ejected																		

Maintenance item No.	Description						
U265	<p>Setting OEM purchaser code</p> <p>Description Sets the OEM purchaser code.</p> <p>Purpose Sets the code when replacing the main PWB and the like.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the preset value using the numeric keys. 3. Press the start key. The setting is set. 4. Turn the main power switch off and on 						
U276	<p>Setting the copy count mode</p> <p>Description Sets the count mode of single color mode.</p> <p>Purpose To change the charging counter which counts up in single color printing.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the mode. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MODE 0</td> <td>This lets the full color counter count up in single color</td> </tr> <tr> <td>MODE 1</td> <td>This lets the single color counter count up in single color</td> </tr> </tbody> </table> <p>Initial setting: MODE 0</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MODE 0	This lets the full color counter count up in single color	MODE 1	This lets the single color counter count up in single color
Display	Description						
MODE 0	This lets the full color counter count up in single color						
MODE 1	This lets the single color counter count up in single color						
U278	<p>Setting the delivery date</p> <p>Description Enter delivery date in month, day, and year.</p> <p>Purpose To operate when installing the machine. Perform this to confirm the delivery date.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [TODAY]. 3. Press the start key. The delivery date is set. <p>Clearing</p> <ol style="list-style-type: none"> 1. Select [CLEAR]. 2. Press the start key. The delivery date is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>						

Maintenance item No.	Description						
U284	<p>Setting 2 color copy mode</p> <p>Description Sets whether to use 2 color copy mode.</p> <p>Purpose According to user request, changes the setting.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>2 color copy mode is enabled</td> </tr> <tr> <td>OFF</td> <td>2 color copy mode is disabled</td> </tr> </tbody> </table> <p>Initial setting: OFF If ON is selected, 2-color copy will be displayed on the color function screen.</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	ON	2 color copy mode is enabled	OFF	2 color copy mode is disabled
Display	Description						
ON	2 color copy mode is enabled						
OFF	2 color copy mode is disabled						
U285	<p>Setting service status page</p> <p>Description Determines displaying the digital dot coverage report on reporting.</p> <p>Purpose According to user request, changes the setting.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [COVERAGE] and select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Displays the digital dot coverage</td> </tr> <tr> <td>OFF</td> <td>Not to display the digital dot coverage</td> </tr> </tbody> </table> <p>Initial setting: ON</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	ON	Displays the digital dot coverage	OFF	Not to display the digital dot coverage
Display	Description						
ON	Displays the digital dot coverage						
OFF	Not to display the digital dot coverage						
U323	<p>Setting abnormal temperature and humidity warning</p> <p>Description Specify whether or not a notice is displayed on the operation panel when abnormal temperature and humidity is detected.</p> <p>Purpose According to user request, changes the setting.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Displays the abnormal temperature and humidity warning</td> </tr> <tr> <td>OFF</td> <td>Not to display the abnormal temperature and humidity warning</td> </tr> </tbody> </table> <p>Initial setting: ON</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	ON	Displays the abnormal temperature and humidity warning	OFF	Not to display the abnormal temperature and humidity warning
Display	Description						
ON	Displays the abnormal temperature and humidity warning						
OFF	Not to display the abnormal temperature and humidity warning						

Maintenance item No.	Description																																												
U325	<p>Setting the paper interval</p> <p>Description Determines the interval between pages and the toner replenishment amount when printing pages with high print coverage.</p> <p>Purpose Modify the settings only if a spotted background or uneven density appears when printing pages with high print coverage.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. Select the item to set. The screen for setting each item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Paper Interval</td> <td>Paper interval control ON/OFF setting</td> </tr> <tr> <td>Select MODE</td> <td>Setting mode of the paper interval control</td> </tr> </tbody> </table> <p>Setting: [Paper Interval]</p> <ol style="list-style-type: none"> Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Paper interval control is performed</td> </tr> <tr> <td>OFF</td> <td>Paper interval control is not performed</td> </tr> </tbody> </table> <p>Initial setting: OFF</p> <ol style="list-style-type: none"> Press the start key. The setting is set. <p>Setting: [Select MODE]</p> <ol style="list-style-type: none"> Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>MODE</td> <td>Paper interval control mode when printing high density original continuously</td> <td>0 to 5</td> <td>1</td> </tr> </tbody> </table> <p>If a spotted background appears when printing pages with high print coverage, change the setting to 5. However, if you prefer to give priority to printing speed, change the setting to 4.</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Detail of mode</p> <table border="1"> <thead> <tr> <th>Mode</th> <th>Output value of the sensor to widen the paper interval</th> <th>Paper interval time</th> <th>Toner supply amount</th> </tr> </thead> <tbody> <tr> <td>MODE1</td> <td>550 or more</td> <td>Standard</td> <td>Normal</td> </tr> <tr> <td>MODE2</td> <td>502 or more</td> <td>Long (x 1.5)</td> <td>Normal</td> </tr> <tr> <td>MODE3</td> <td>550 or more</td> <td>Short (x 0.8)</td> <td>Normal</td> </tr> <tr> <td>MODE4</td> <td>550 or more</td> <td>Standard</td> <td>Less</td> </tr> <tr> <td>MODE5</td> <td>502 or more</td> <td>Long (x 1.5)</td> <td>Less</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Paper Interval	Paper interval control ON/OFF setting	Select MODE	Setting mode of the paper interval control	Display	Description	ON	Paper interval control is performed	OFF	Paper interval control is not performed	Display	Description	Setting range	Initial setting	MODE	Paper interval control mode when printing high density original continuously	0 to 5	1	Mode	Output value of the sensor to widen the paper interval	Paper interval time	Toner supply amount	MODE1	550 or more	Standard	Normal	MODE2	502 or more	Long (x 1.5)	Normal	MODE3	550 or more	Short (x 0.8)	Normal	MODE4	550 or more	Standard	Less	MODE5	502 or more	Long (x 1.5)	Less
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MODE4	550 or more	Standard	Less																																										
MODE5	502 or more	Long (x 1.5)	Less																																										

Maintenance item No.	Description																				
U326	<p>Setting the black line cleaning indication</p> <p>Description Sets whether to display the cleaning guidance when detecting the black line.</p> <p>Purpose Displays the cleaning guidance in order to make the call for service with the black line decrease by the rubbish on the contact glass when scanning from the DP.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. The screen for setting each item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>BLACK LINE MODE</td> <td>Black line cleaning guidance ON/OFF setting</td> </tr> <tr> <td>BLACK LINE COUNT</td> <td>Setting counts of the cleaning guidance indication</td> </tr> </tbody> </table> <p>Setting: [BLACK LINE MODE]</p> <ol style="list-style-type: none"> 1. Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Displays the cleaning guidance</td> </tr> <tr> <td>OFF</td> <td>Not to display the cleaning guidance</td> </tr> </tbody> </table> <p>Initial setting: ON Setting count value is displayed only if the setting is ON.</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. <p>Setting: [BLACK LINE COUNT]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>COUNT</td> <td>Setting counts of the cleaning guidance indication (x 1000 sheets)</td> <td>0 to 255</td> <td>8</td> </tr> </tbody> </table> <p>When setting is 0, the black line cleaning indication is displayed only if the black line is detected.</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	BLACK LINE MODE	Black line cleaning guidance ON/OFF setting	BLACK LINE COUNT	Setting counts of the cleaning guidance indication	Display	Description	ON	Displays the cleaning guidance	OFF	Not to display the cleaning guidance	Display	Description	Setting range	Initial setting	COUNT	Setting counts of the cleaning guidance indication (x 1000 sheets)	0 to 255	8
Display	Description																				
BLACK LINE MODE	Black line cleaning guidance ON/OFF setting																				
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Maintenance item No.	Description																				
<p>U327</p>	<p>Setting the cassette heater control Description Sets the cassette heater control. Purpose To change the setting according to the machine installation environment.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MODE Setting</td> <td>Setting the cassette heater control</td> </tr> <tr> <td>Option Heater</td> <td>Optional cassette heater installed/not Installed setting</td> </tr> </tbody> </table> <p>Setting: [MODE Setting]</p> <ol style="list-style-type: none"> 1. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>Cassette heater OFF</td> </tr> <tr> <td>MODE1</td> <td>Cassette heater ON during sleep mode</td> </tr> <tr> <td>MODE2</td> <td>Cassette heater ON during sleep mode and standby</td> </tr> </tbody> </table> <p>Initial setting: OFF</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. <p>Setting: [Option Heater]</p> <ol style="list-style-type: none"> 1. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>NONE</td> <td>Optional cassette heater not Installed</td> </tr> <tr> <td>EXISTS</td> <td>Optional cassette heater installed</td> </tr> </tbody> </table> <p>Initial setting: NONE</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MODE Setting	Setting the cassette heater control	Option Heater	Optional cassette heater installed/not Installed setting	Display	Description	OFF	Cassette heater OFF	MODE1	Cassette heater ON during sleep mode	MODE2	Cassette heater ON during sleep mode and standby	Display	Description	NONE	Optional cassette heater not Installed	EXISTS	Optional cassette heater installed
Display	Description																				
MODE Setting	Setting the cassette heater control																				
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MODE2	Cassette heater ON during sleep mode and standby																				
Display	Description																				
NONE	Optional cassette heater not Installed																				
EXISTS	Optional cassette heater installed																				
<p>U328</p>	<p>Side ejection setting Description Sets whether to eject to the side of the machine when an optional curl eliminator is installed. Purpose Set according to the preference of the user.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>To eject to the side of the machine</td> </tr> <tr> <td>OFF</td> <td>Not to eject to the side of the machine</td> </tr> </tbody> </table> <p>Initial setting: OFF</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. 4. Turn the main power switch off and on. 	Display	Description	ON	To eject to the side of the machine	OFF	Not to eject to the side of the machine														
Display	Description																				
ON	To eject to the side of the machine																				
OFF	Not to eject to the side of the machine																				

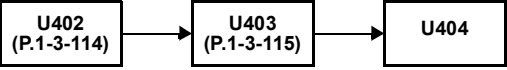
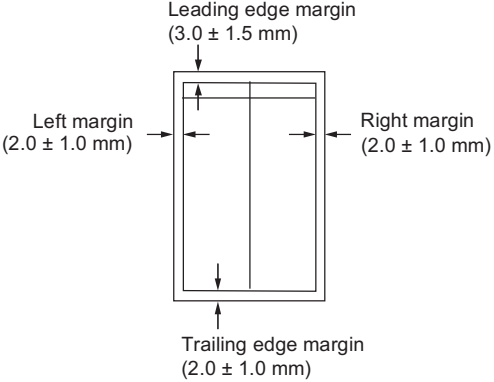
Maintenance item No.	Description												
U332	<p>Setting the size conversion factor</p> <p>Description Sets the coefficient of nonstandard sizes in relation to the A4/Letter size. The coefficient set here is used to convert the black ratio in relation to the A4/Letter size and to display the result in user simulation.</p> <p>Purpose To set the coefficient for converting the black ratio for nonstandard sizes in relation to the A4/Letter size.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Calculation Rate</td> <td>Size parameter</td> <td>0.1 to 3.0</td> <td>1.0</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Calculation Rate	Size parameter	0.1 to 3.0	1.0				
Display	Description	Setting range	Initial setting										
Calculation Rate	Size parameter	0.1 to 3.0	1.0										
U340	<p>Setting the applied mode</p> <p>Description Allocates memory to ensure that there is sufficient memory available for the printer to use as a working area.</p> <p>Purpose Modify the memory allocation if insufficient memory for transparency support or XPS direct printing occurs.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Image Memory Adj.</td> <td>Area temporarily used to create output image.</td> <td>0 to 400 (MB)</td> <td>0</td> </tr> <tr> <td>Image Memory Adj. Detail</td> <td>Area temporarily used to hold downloaded font and other data.</td> <td>0 to 400 (MB)</td> <td>0</td> </tr> </tbody> </table> <p>Set the values below in case print failure occurs with the memory shortage. (recommended value) Image Memory Adj. : +190 Image Memory Adj. Detail : +1</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 4. Turn the main power switch off and on. <p>Supplement The work area for copy is small and it may cause output failure if the values are large.</p>	Display	Description	Setting range	Initial setting	Image Memory Adj.	Area temporarily used to create output image.	0 to 400 (MB)	0	Image Memory Adj. Detail	Area temporarily used to hold downloaded font and other data.	0 to 400 (MB)	0
Display	Description	Setting range	Initial setting										
Image Memory Adj.	Area temporarily used to create output image.	0 to 400 (MB)	0										
Image Memory Adj. Detail	Area temporarily used to hold downloaded font and other data.	0 to 400 (MB)	0										

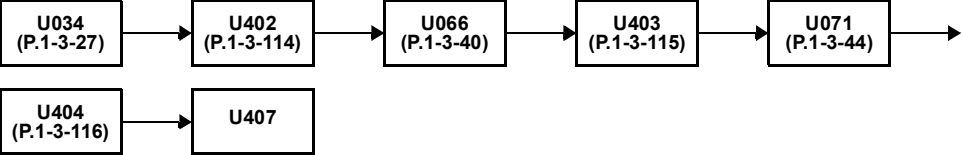
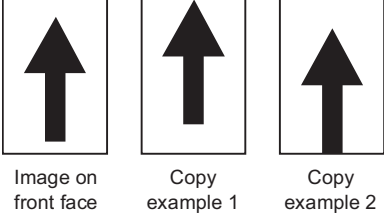
Maintenance item No.	Description												
<p>U341</p>	<p>Specific paper feed location setting for printing function</p> <p>Description Sets a paper feed location specified for printer output (only if a printer kit is installed).</p> <p>Purpose To use a paper feed location only for printer output. A paper feed location specified for printer output cannot be used for copy output.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the paper feed location for the printer. Two or more cassette can be selected. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CASSETTE 1</td> <td>Cassette 1</td> </tr> <tr> <td>CASSETTE 2</td> <td>Cassette 2</td> </tr> <tr> <td>CASSETTE 3</td> <td>Cassette 3 (optional paper feeder)</td> </tr> <tr> <td>CASSETTE 4</td> <td>Cassette 4 (optional paper feeder)</td> </tr> <tr> <td>LCF</td> <td>Optional 3000-sheet paper feeder</td> </tr> </tbody> </table> <p>When an optional paper feed device is not installed, the corresponding count is not displayed.</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	CASSETTE 1	Cassette 1	CASSETTE 2	Cassette 2	CASSETTE 3	Cassette 3 (optional paper feeder)	CASSETTE 4	Cassette 4 (optional paper feeder)	LCF	Optional 3000-sheet paper feeder
Display	Description												
CASSETTE 1	Cassette 1												
CASSETTE 2	Cassette 2												
CASSETTE 3	Cassette 3 (optional paper feeder)												
CASSETTE 4	Cassette 4 (optional paper feeder)												
LCF	Optional 3000-sheet paper feeder												
<p>U343</p>	<p>Switching between duplex/simplex copy mode</p> <p>Description Switches the initial setting between duplex and simplex copy.</p> <p>Purpose To be set according to frequency of use: set to the more frequently used mode.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Duplex copy</td> </tr> <tr> <td>OFF</td> <td>Simplex copy</td> </tr> </tbody> </table> <p>Initial setting: OFF</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	ON	Duplex copy	OFF	Simplex copy						
Display	Description												
ON	Duplex copy												
OFF	Simplex copy												

Maintenance item No.	Description						
U345	<p>Setting the value for maintenance due indication</p> <p>Description Sets when to display a message notifying that the time for maintenance is about to be reached, by setting the number of copies that can be made before the current maintenance cycle ends. When the difference between the number of copies of the maintenance cycle and that of the maintenance count reaches the set value, the message is displayed.</p> <p>Purpose To change the time for maintenance due indication.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> </tr> </thead> <tbody> <tr> <td>COUNT</td> <td>Time for maintenance due indication (Remaining number of copies that can be made before the current maintenance cycle ends)</td> <td>0 to 9999</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	COUNT	Time for maintenance due indication (Remaining number of copies that can be made before the current maintenance cycle ends)	0 to 9999
Display	Description	Setting range					
COUNT	Time for maintenance due indication (Remaining number of copies that can be made before the current maintenance cycle ends)	0 to 9999					

Maintenance item No.	Description																									
<p>U402</p>	<p>Adjusting margins of image printing</p> <p>Description Adjusts margins for image printing.</p> <p>Purpose Make the adjustment if margins are incorrect.</p> <p>Adjustment</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>LEAD</td> <td>Printer leading edge margin</td> <td>0 to 10.0</td> <td>4.0</td> <td>0.1 mm</td> </tr> <tr> <td>A</td> <td>Printer left margin</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.1 mm</td> </tr> <tr> <td>C</td> <td>Printer right margin</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.1 mm</td> </tr> <tr> <td>TRAIL</td> <td>Printer trailing edge margin</td> <td>0 to 10.0</td> <td>3.9</td> <td>0.1 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the system menu key. 4. Press the start key to output a test pattern. 5. Press the system menu key. 6. Change the setting value using the +/- or numeric keys. Increasing the value makes the margin wider, and decreasing it makes the margin narrower. <div style="text-align: center;"> </div> <p style="text-align: center;">Figure 1-3-22</p> <ol style="list-style-type: none"> 7. Press the start key. The value is set. <p>Caution Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div style="text-align: center;"> <pre> graph LR U402[U402] --> U403[U403 (P.1-3-115)] U403 --> U404[U404 (P.1-3-116)] </pre> </div> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	LEAD	Printer leading edge margin	0 to 10.0	4.0	0.1 mm	A	Printer left margin	0 to 10.0	3.0	0.1 mm	C	Printer right margin	0 to 10.0	3.0	0.1 mm	TRAIL	Printer trailing edge margin	0 to 10.0	3.9	0.1 mm
Display	Description	Setting range	Initial setting	Change in value per step																						
LEAD	Printer leading edge margin	0 to 10.0	4.0	0.1 mm																						
A	Printer left margin	0 to 10.0	3.0	0.1 mm																						
C	Printer right margin	0 to 10.0	3.0	0.1 mm																						
TRAIL	Printer trailing edge margin	0 to 10.0	3.9	0.1 mm																						

Maintenance item No.	Description																												
U403	<p>Adjusting margins for scanning an original on the contact glass</p> <p>Description Adjusts margins for scanning the original on the contact glass.</p> <p>Purpose Make the adjustment if margins are incorrect.</p> <p>Adjustment</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>A MARGIN</td> <td>Scanner left margin</td> <td>0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> <tr> <td>B MARGIN</td> <td>Scanner leading edge margin</td> <td>0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> <tr> <td>C MARGIN</td> <td>Scanner right margin</td> <td>0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> <tr> <td>D MARGIN</td> <td>Scanner trailing edge margin</td> <td>0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the system menu key. 4. Place an original and press the start key to make a test copy. 5. Press the system menu key. 6. Change the setting value using the +/- keys. Increasing the value makes the margin wider, and decreasing it makes the margin narrower. <div style="text-align: center;"> <p>Scanner leading edge margin (3.0 ± 2.5 mm)</p> <p>Scanner left margin (2.5 + 1.5/-2.0 mm)</p> <p>Scanner right margin (2.5 + 1.5/-2.0 mm)</p> <p>Scanner trailing edge margin (3.0 ± 2.0 mm)</p> </div> <p>Figure 1-3-23</p> <ol style="list-style-type: none"> 7. Press the start key. The value is set. <p>Caution Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div style="text-align: center;"> <table border="1"> <tr> <td style="padding: 5px;">U403</td> <td style="padding: 5px; text-align: center;">→</td> <td style="padding: 5px;">U404 (P.1-3-116)</td> </tr> </table> </div> <p>Completion Press the stop key. The indication for selecting a maintenance item No. appears.</p>	Display	Description	Setting range	Initial setting	Change in value per step	A MARGIN	Scanner left margin	0 to 10.0	2.0	0.5 mm	B MARGIN	Scanner leading edge margin	0 to 10.0	2.0	0.5 mm	C MARGIN	Scanner right margin	0 to 10.0	2.0	0.5 mm	D MARGIN	Scanner trailing edge margin	0 to 10.0	2.0	0.5 mm	U403	→	U404 (P.1-3-116)
Display	Description	Setting range	Initial setting	Change in value per step																									
A MARGIN	Scanner left margin	0 to 10.0	2.0	0.5 mm																									
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D MARGIN	Scanner trailing edge margin	0 to 10.0	2.0	0.5 mm																									
U403	→	U404 (P.1-3-116)																											

Maintenance item No.	Description																																													
<p>U404</p>	<p>Adjusting margins for scanning an original from the DP</p> <p>Description Adjusts margins for scanning the original from the DP.</p> <p>Purpose Make the adjustment if margins are incorrect.</p> <p>Caution Before making this adjustment, ensure that the following adjustments have been made in maintenance mode</p> <div style="text-align: center;">  <pre> graph LR U402["U402 (P.1-3-114)"] --> U403["U403 (P.1-3-115)"] U403 --> U404["U404"] </pre> </div> <p>Adjustment</p> <ol style="list-style-type: none"> Press the start key. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>A MARGIN</td> <td>Left margin</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>B MARGIN</td> <td>Leading edge margin</td> <td>0 to 10.0</td> <td>2.5</td> <td>0.5 mm</td> </tr> <tr> <td>C MARGIN</td> <td>Right margin</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>D MARGIN</td> <td>Trailing edge margin</td> <td>0 to 10.0</td> <td>4.0</td> <td>0.5 mm</td> </tr> <tr> <td>A MARGIN (BACK)*</td> <td>Left margin (second side)</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>B MARGIN (BACK)*</td> <td>Leading edge margin (second side)</td> <td>0 to 10.0</td> <td>2.5</td> <td>0.5 mm</td> </tr> <tr> <td>C MARGIN (BACK)*</td> <td>Right margin (second side)</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>D MARGIN (BACK)*</td> <td>Trailing edge margin (second side)</td> <td>0 to 10.0</td> <td>4.0</td> <td>0.5 mm</td> </tr> </tbody> </table> <p>*: Dual scan DP only.</p> <ol style="list-style-type: none"> Press the system menu key. Place an original on the DP and press the start key to make a test copy. Press the system menu key. Change the setting value using the +/- keys. Increasing the value makes the margin wider, and decreasing it makes the margin narrower. <div style="text-align: center;">  </div> <p>Figure 1-3-24</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	A MARGIN	Left margin	0 to 10.0	3.0	0.5 mm	B MARGIN	Leading edge margin	0 to 10.0	2.5	0.5 mm	C MARGIN	Right margin	0 to 10.0	3.0	0.5 mm	D MARGIN	Trailing edge margin	0 to 10.0	4.0	0.5 mm	A MARGIN (BACK)*	Left margin (second side)	0 to 10.0	3.0	0.5 mm	B MARGIN (BACK)*	Leading edge margin (second side)	0 to 10.0	2.5	0.5 mm	C MARGIN (BACK)*	Right margin (second side)	0 to 10.0	3.0	0.5 mm	D MARGIN (BACK)*	Trailing edge margin (second side)	0 to 10.0	4.0	0.5 mm
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A MARGIN	Left margin	0 to 10.0	3.0	0.5 mm																																										
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D MARGIN (BACK)*	Trailing edge margin (second side)	0 to 10.0	4.0	0.5 mm																																										

Maintenance item No.	Description										
U407	<p>Adjusting the leading edge registration for memory image printing</p> <p>Description Adjusts the leading edge registration during memory copying.</p> <p>Purpose Make the following adjustment if there is a regular error between the leading edge of the copy image on the front face and that on the reverse face during duplex switchback copying.</p> <p>Caution Before making this adjustment, ensure that the following adjustments have been made in maintenance mode</p> <div style="text-align: center;">  <pre> graph LR U034["U034 (P.1-3-27)"] --> U402["U402 (P.1-3-114)"] U402 --> U066["U066 (P.1-3-40)"] U066 --> U403["U403 (P.1-3-115)"] U403 --> U071["U071 (P.1-3-44)"] U404["U404 (P.1-3-116)"] --> U407["U407"] </pre> </div> <p>Adjustment</p> <ol style="list-style-type: none"> Press the start key. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>ADJUST DATA</td> <td>Leading edge registration for memory image printing</td> <td>-47 to 47</td> <td>0</td> <td>0.1 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the system menu key. Place an original and press the start key to make a test copy. Press the system menu key. Change the setting value using the +/- or numeric keys. For copy example 1, decrease the value. For copy example 2, increase the value. <div style="text-align: center;">  <p>Image on front face Copy example 1 Copy example 2</p> </div> <p style="text-align: center;">Figure 1-3-25</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	ADJUST DATA	Leading edge registration for memory image printing	-47 to 47	0	0.1 mm
Display	Description	Setting range	Initial setting	Change in value per step							
ADJUST DATA	Leading edge registration for memory image printing	-47 to 47	0	0.1 mm							

Maintenance item No.	Description																												
<p>U410</p>	<p>Adjusting the halftone automatically</p> <p>Description Carries out processing for the data acquisition that is required in order to perform either automatic adjustment of the halftone or the ID correction operation. Also the color table is changed when an offset occurs.</p> <p>Purpose Performed when the quality of reproduced halftones has dropped. Also when an offset occurs, the setting of color table is changed to table2.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Continuous Adjustment</td> <td>Executing the automatic adjustment of the halftone</td> </tr> <tr> <td>Table Config</td> <td>Switching the color table</td> </tr> </tbody> </table> <p>Method: [Continuous Adjustment]</p> <ol style="list-style-type: none"> 1. Select [Continuous Adjustment]. 2. Press the start key. A test pattern 1 is outputted. 3. Place the output test pattern 1 as the original. Place approximately 20 sheets of white paper on the test pattern 1 and set them. 4. Press the start key. Adjustment is made (first time). 5. A test pattern 2 is outputted. Place the output test pattern 2 as the original. Place approximately 20 sheets of white paper on the test pattern 2 and set them. 6. Press the start key. Adjustment is made (second time). 7. A test pattern 3 is outputted. Place the output test pattern 3 as the original. Place approximately 20 sheets of white paper on the test pattern 3 and set them. 8. Press the start key. Adjustment is made (third time). 9. When normally completed, [ALL COMP.] is displayed. If a problem occurs during auto adjustment, error code is displayed. <p>Error codes</p> <table border="1"> <thead> <tr> <th>Codes</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>S01</td> <td>Order error</td> </tr> <tr> <td>S02</td> <td>Patch not detected</td> </tr> <tr> <td>S03</td> <td>Original deviation in the main scanning direction</td> </tr> <tr> <td>S04</td> <td>Original deviation in the auxiliary scanning direction</td> </tr> <tr> <td>S05</td> <td>Original inclination error</td> </tr> <tr> <td>E01</td> <td>Engine error</td> </tr> <tr> <td>E02</td> <td>Sensor error</td> </tr> <tr> <td>C01</td> <td>Controller error</td> </tr> <tr> <td>C02 (C/M/Y/K)</td> <td>Adjustment value error</td> </tr> <tr> <td>C03 (C/M/Y/K)</td> <td>Adjustment value error</td> </tr> </tbody> </table>	Display	Description	Continuous Adjustment	Executing the automatic adjustment of the halftone	Table Config	Switching the color table	Codes	Description	S01	Order error	S02	Patch not detected	S03	Original deviation in the main scanning direction	S04	Original deviation in the auxiliary scanning direction	S05	Original inclination error	E01	Engine error	E02	Sensor error	C01	Controller error	C02 (C/M/Y/K)	Adjustment value error	C03 (C/M/Y/K)	Adjustment value error
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Maintenance item No.	Description																										
U410	<p>Method: [Table Config]</p> <ol style="list-style-type: none"> 1. Select [Table Config]. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Table1</td> <td>Normal color table</td> </tr> <tr> <td>Table2</td> <td>Color table for offset improvement</td> </tr> </tbody> </table> <p>Initial setting: Table1</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Table1	Normal color table	Table2	Color table for offset improvement																				
Display	Description																										
Table1	Normal color table																										
Table2	Color table for offset improvement																										
U411	<p>Adjusting the scanner automatically</p> <p>Description Uses a specified original and automatically adjusts the following items in the scanner and the DP scanning sections.</p> <p>Purpose To perform automatic adjustment of various items in the scanner and the DP scanning sections.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Original to be used for adjustment (P/N)</th> </tr> </thead> <tbody> <tr> <td>SCANNER</td> <td>Automatic adjustment in the scanner section</td> <td>302FZ56990</td> </tr> <tr> <td>DP(FACE UP)</td> <td>Automatic adjustment in the DP scanning section (first page)</td> <td>302AC68243</td> </tr> <tr> <td>DP(FACE DOWN)*</td> <td>Automatic adjustment in the DP scanning section (second page)</td> <td>302AC68243/303JX57010/ 303JX57020</td> </tr> </tbody> </table> <p>*: Dual scan DP only.</p> <p>Method: [SCANNER]</p> <ol style="list-style-type: none"> 1. Enter the target values which are shown on the specified original (P/N: 302FZ56990) executing maintenance item U425. 2. Set a specified original (P/N: 302FZ56990) on the platen. 3. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ALL</td> <td>Automatic adjustment using the platen for: original size magnification/ leading edge timing/center line, input gamma, chromatic aberration filter, MTF filter and matrix.</td> </tr> <tr> <td>INPUT</td> <td>Automatic adjustment using the platen for: original size magnification/ leading edge timing/center line.</td> </tr> <tr> <td>C.A.</td> <td>Automatic adjustment using the platen for: chromatic aberration filter.</td> </tr> <tr> <td>MTF</td> <td>Automatic adjustment using the platen for: MTF filter.</td> </tr> <tr> <td>GAMMA</td> <td>Automatic adjustment using the platen for: input gamma.</td> </tr> <tr> <td>MATRIX</td> <td>Automatic adjustment using the platen for: matrix.</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the start key. Auto adjustment starts. When automatic adjustment has normally completed, [COMPLETE] is displayed. If a problem occurs during auto adjustment, [ERROR XX] (XX is replaced by an error code) is displayed and operation stops. Should this happen, determine the details of the problem and either repeat the procedure from the beginning, or adjust the remaining items manually by running the corresponding maintenance items. 	Display	Description	Original to be used for adjustment (P/N)	SCANNER	Automatic adjustment in the scanner section	302FZ56990	DP(FACE UP)	Automatic adjustment in the DP scanning section (first page)	302AC68243	DP(FACE DOWN)*	Automatic adjustment in the DP scanning section (second page)	302AC68243/303JX57010/ 303JX57020	Display	Description	ALL	Automatic adjustment using the platen for: original size magnification/ leading edge timing/center line, input gamma, chromatic aberration filter, MTF filter and matrix.	INPUT	Automatic adjustment using the platen for: original size magnification/ leading edge timing/center line.	C.A.	Automatic adjustment using the platen for: chromatic aberration filter.	MTF	Automatic adjustment using the platen for: MTF filter.	GAMMA	Automatic adjustment using the platen for: input gamma.	MATRIX	Automatic adjustment using the platen for: matrix.
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MATRIX	Automatic adjustment using the platen for: matrix.																										

Maintenance item No.	Description																			
<p>U411</p>	<p>Method: DP(FACE UP)</p> <ol style="list-style-type: none"> 1. Measure the leading edge, main scanning, and auxiliary scanning of the specified original (P/N: 302AC68243) and enter the values by executing maintenance item U425. 2. Set a specified original (P/N: 302AC68243) in the DP. Cut the trailing edge of the original. <div style="text-align: center;"> </div> <p style="text-align: center;">Figure 1-3-26</p> <ol style="list-style-type: none"> 3. Press [INPUT]. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>INPUT</td> <td>Automatic adjustment of first page using the DP for: original size magnification/leading edge timing/center line.</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the start key. Auto adjustment starts. When automatic adjustment has normally completed, [COMPLETE] is displayed. If a problem occurs during auto adjustment, [ERROR XX] (XX is replaced by an error code) is displayed and operation stops. Should this happen, determine the details of the problem and either repeat the procedure from the beginning, or adjust the remaining items manually by running the corresponding maintenance items. <p>Method: DP(FACE DOWN)</p> <ol style="list-style-type: none"> 1. Place the specified original for acquiring gamma target data (P/N: 303JX57010) on the platen, and press the start key. 2. Place the specified original for acquiring matrix target data (P/N: 303JX57020) on the platen, and press the start key. When normally completed, [COMPLETE] is displayed. 3. Select the item (place all originals face down). <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Original to be used for adjustment (P/N)</th> </tr> </thead> <tbody> <tr> <td>ALL</td> <td>Automatic adjustment of second page using the DP for: original size magnification/leading edge timing/center line, input gamma, chromatic aberration filter, MTF filter and matrix.</td> <td>302AC68243/303JX57010/ 303JX57020</td> </tr> <tr> <td>INPUT</td> <td>Automatic adjustment of second page using the DP for: original size magnification/leading edge timing/center line.</td> <td>302AC68243</td> </tr> <tr> <td>MTF/GAMMA</td> <td>Automatic adjustment of second page using the DP for: MTF filter and input gamma.</td> <td>303JX57010</td> </tr> <tr> <td>MATRIX</td> <td>Automatic adjustment of second page using the DP for: matrix.</td> <td>303JX57020</td> </tr> </tbody> </table> <p>[INPUT]</p> <ol style="list-style-type: none"> 1. Select [INPUT]. 2. Place a specified original (P/N: 302AC68243). 3. Press the start key. Auto adjustment starts. <p>[GAMMA]</p> <ol style="list-style-type: none"> 1. Select [MTF/GAMMA]. 2. Place a specified original (P/N: 303JX57010). 3. Press the start key. Auto adjustment starts. <p>[MTF/MATRIX]</p> <ol style="list-style-type: none"> 1. Select [MATRIX]. 2. Place a specified original (P/N: 303JX57020). 3. Press the start key. Auto adjustment starts. 	Display	Description	INPUT	Automatic adjustment of first page using the DP for: original size magnification/leading edge timing/center line.	Display	Description	Original to be used for adjustment (P/N)	ALL	Automatic adjustment of second page using the DP for: original size magnification/leading edge timing/center line, input gamma, chromatic aberration filter, MTF filter and matrix.	302AC68243/303JX57010/ 303JX57020	INPUT	Automatic adjustment of second page using the DP for: original size magnification/leading edge timing/center line.	302AC68243	MTF/GAMMA	Automatic adjustment of second page using the DP for: MTF filter and input gamma.	303JX57010	MATRIX	Automatic adjustment of second page using the DP for: matrix.	303JX57020
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Maintenance item No.	Description																																																						
U411	<p>When [ALL] is selected, the adjustment of [INPUT], [MTF/GAMMA] and [MATRIX] can be executed at once. When adjusting, place the three specified originals, and then press the start key. Set the original 303JX57020, and then place 303JX57010 and 302AC68243 in order on the top of the original.</p> <p>When automatic adjustment has normally completed, [COMPLETE] is displayed. If a problem occurs during auto adjustment, [ERROR XX] (XX is replaced by an error code) is displayed and operation stops. Should this happen, determine the details of the problem and either repeat the procedure from the beginning, or adjust the remaining items manually by running the corresponding maintenance items.</p> <p>Error Codes</p> <table border="1"> <thead> <tr> <th>Codes</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>ERROR 01</td><td>Black band detection error (scanner leading edge registration)</td></tr> <tr><td>ERROR 02</td><td>Black band detection error (scanner center line)</td></tr> <tr><td>ERROR 03</td><td>Black band detection error (scanner main scanning direction magnification)</td></tr> <tr><td>ERROR 04</td><td>Black band is not detected (scanner leading edge registration)</td></tr> <tr><td>ERROR 05</td><td>Black band is not detected (scanner center line)</td></tr> <tr><td>ERROR 06</td><td>Black band is not detected (scanner main scanning direction magnification)</td></tr> <tr><td>ERROR 07</td><td>Black band is not detected (scanner auxiliary scanning direction magnification)</td></tr> <tr><td>ERROR 08</td><td>Black band is not detected (DP main scanning direction magnification far end)</td></tr> <tr><td>ERROR 09</td><td>Black band is not detected (DP main scanning direction magnification near end)</td></tr> <tr><td>ERROR 0a</td><td>Black band is not detected (DP auxiliary scanning direction magnification leading edge)</td></tr> <tr><td>ERROR 0b</td><td>Black band is not detected (DP auxiliary scanning direction magnification leading edge)</td></tr> <tr><td>ERROR 0c</td><td>Black band is not detected (DP auxiliary scanning direction trailing edge)</td></tr> <tr><td>ERROR 0d</td><td>Black band is not detected (DP auxiliary scanning direction trailing edge 2)</td></tr> <tr><td>ERROR 0e</td><td>DMA time out</td></tr> <tr><td>ERROR 0f</td><td>Auxiliary scanning direction magnification error</td></tr> <tr><td>ERROR 10</td><td>Auxiliary scanning direction leading edge detection error</td></tr> <tr><td>ERROR 11</td><td>Auxiliary scanning direction trailing edge detection error</td></tr> <tr><td>ERROR 12</td><td>Auxiliary scanning direction skew 1.5 error</td></tr> <tr><td>ERROR 13</td><td>Maintenance request error</td></tr> <tr><td>ERROR 14</td><td>Main scanning direction center line error</td></tr> <tr><td>ERROR 15</td><td>Main scanning direction skew 1.5 error</td></tr> <tr><td>ERROR 16</td><td>Main scanning direction magnification error</td></tr> <tr><td>ERROR 17</td><td>Service call error</td></tr> <tr><td>ERROR 18</td><td>DP paper misfeed error</td></tr> <tr><td>ERROR 19</td><td>PWB replacement error</td></tr> <tr><td>ERROR 1a</td><td>Original error</td></tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item is displayed.</p>	Codes	Description	ERROR 01	Black band detection error (scanner leading edge registration)	ERROR 02	Black band detection error (scanner center line)	ERROR 03	Black band detection error (scanner main scanning direction magnification)	ERROR 04	Black band is not detected (scanner leading edge registration)	ERROR 05	Black band is not detected (scanner center line)	ERROR 06	Black band is not detected (scanner main scanning direction magnification)	ERROR 07	Black band is not detected (scanner auxiliary scanning direction magnification)	ERROR 08	Black band is not detected (DP main scanning direction magnification far end)	ERROR 09	Black band is not detected (DP main scanning direction magnification near end)	ERROR 0a	Black band is not detected (DP auxiliary scanning direction magnification leading edge)	ERROR 0b	Black band is not detected (DP auxiliary scanning direction magnification leading edge)	ERROR 0c	Black band is not detected (DP auxiliary scanning direction trailing edge)	ERROR 0d	Black band is not detected (DP auxiliary scanning direction trailing edge 2)	ERROR 0e	DMA time out	ERROR 0f	Auxiliary scanning direction magnification error	ERROR 10	Auxiliary scanning direction leading edge detection error	ERROR 11	Auxiliary scanning direction trailing edge detection error	ERROR 12	Auxiliary scanning direction skew 1.5 error	ERROR 13	Maintenance request error	ERROR 14	Main scanning direction center line error	ERROR 15	Main scanning direction skew 1.5 error	ERROR 16	Main scanning direction magnification error	ERROR 17	Service call error	ERROR 18	DP paper misfeed error	ERROR 19	PWB replacement error	ERROR 1a	Original error
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Maintenance item No.	Description																								
U412	<p>Adjusting the uneven density</p> <p>Description Adjusts the uneven developing/transfer density in the drum axis direction by scanning directly the density distribution of test pattern with the scanner and adjusting LSU light quantity.</p> <p>Purpose To perform when replacing the drum unit or laser scanner unit.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Adjust Uneven Density</td> <td>Executing the uneven density correction</td> </tr> <tr> <td>ON/OFF Config</td> <td>Uneven density correction ON/OFF setting</td> </tr> </tbody> </table> <p>Method: [Adjust Uneven Density]</p> <ol style="list-style-type: none"> 1. Select [Adjust Uneven Density]. 2. Select [Default Value]. A test pattern is outputted with the initial light quantity setting. (1st sheet) 3. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 4. Press the start key. A test pattern is outputted. (2nd sheet) A test pattern is outputted with light quantity setting lower than the 1st test pattern by 20%. 5. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 6. Press the start key. A test pattern is outputted. (3rd sheet) 7. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 8. Press the start key. The correction result is checked. When normally completed, [COMPLETE] is displayed. <p>Retray (1st time)</p> <ol style="list-style-type: none"> 9. If the correction is not completed normally, [Retry] is displayed and a test pattern is outputted. (4th sheet) A test pattern is outputted with light quantity setting lower than the 3rd test pattern by 20%. 10. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 11. Press the start key. A test pattern is outputted. (5th sheet) 12. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 13. Press the start key. The correction result is checked. When normally completed, [COMPLETE] is displayed. <p>Retray (2nd time)</p> <ol style="list-style-type: none"> 14. If the correction is not completed normally, [Retry] is displayed and a test pattern is outputted. (6th sheet) A test pattern is outputted with light quantity setting lower than the 5th test pattern by 20%. 15. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 16. Press the start key. A test pattern is outputted. (7th sheet) 17. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 18. Press the start key. The correction result is checked. When normally completed, [COMPLETE] is displayed If a problem occurs during auto correction, error code is displayed. [SetDef] is displayed in case of an engine error. <p>Error codes</p> <table border="1"> <thead> <tr> <th>Codes</th> <th>Description</th> <th>Corrective measures</th> </tr> </thead> <tbody> <tr> <td>S01</td> <td>Order error</td> <td>Check the original</td> </tr> <tr> <td>S02</td> <td>Patch not detected</td> <td>Check the original</td> </tr> <tr> <td>S03</td> <td>Original deviation in the main scanning direction</td> <td>Check the original</td> </tr> <tr> <td>S04</td> <td>Original deviation in the auxiliary scanning direction</td> <td>Check the original</td> </tr> <tr> <td>S05</td> <td>Original inclination error</td> <td>Check the original</td> </tr> </tbody> </table>	Display	Description	Adjust Uneven Density	Executing the uneven density correction	ON/OFF Config	Uneven density correction ON/OFF setting	Codes	Description	Corrective measures	S01	Order error	Check the original	S02	Patch not detected	Check the original	S03	Original deviation in the main scanning direction	Check the original	S04	Original deviation in the auxiliary scanning direction	Check the original	S05	Original inclination error	Check the original
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U412	<p>Setting: [ON/OFF Config]</p> <ol style="list-style-type: none"> Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Uneven density correction is enabled</td> </tr> <tr> <td>OFF</td> <td>Uneven density correction is disabled</td> </tr> </tbody> </table> <p>ON is automatically set after the correction is complete.</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	ON	Uneven density correction is enabled	OFF	Uneven density correction is disabled																																				
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ON	Uneven density correction is enabled																																										
OFF	Uneven density correction is disabled																																										
U425	<p>Setting the target</p> <p>Description Enters the lab values that is indicated on the back of the chart (P/N: 302FZ56990) used for adjustment. Also enters the measurement value of the chart (P/N: 302AC68243) used for adjustment.</p> <p>Purpose Performs data input in order to correct for differences in originals during automatic adjustment.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CCD</td> <td>Entering the target values of the chart (P/N: 302FZ56990) used for adjustment</td> </tr> <tr> <td>DP</td> <td>Entering the measurement value of the chart (P/N: 302AC68243) used for adjustment</td> </tr> <tr> <td>CIS</td> <td>Execution is not required</td> </tr> </tbody> </table> <p>Setting: [CCD]</p> <ol style="list-style-type: none"> Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>N875</td> <td>Setting the N875 patch for the original for adjustment</td> </tr> <tr> <td>N475</td> <td>Setting the N475 patch for the original for adjustment</td> </tr> <tr> <td>N125</td> <td>Setting the N125 patch for the original for adjustment</td> </tr> <tr> <td>CYAN</td> <td>Setting the cyan patch for the original for adjustment</td> </tr> <tr> <td>MAGENTA</td> <td>Setting the magenta patch for the original for adjustment</td> </tr> <tr> <td>YELLOW</td> <td>Setting the yellow patch for the original for adjustment</td> </tr> <tr> <td>RED</td> <td>Setting the red patch for the original for adjustment</td> </tr> <tr> <td>GREEN</td> <td>Setting the green patch for the original for adjustment</td> </tr> <tr> <td>BLUE</td> <td>Setting the blue patch for the original for adjustment</td> </tr> <tr> <td>ADJUST ORIGINAL</td> <td>Setting the main and auxiliary scanning directions</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> </tr> </thead> <tbody> <tr> <td>L</td> <td>Setting the L value</td> <td>0.0 to 100.0</td> </tr> <tr> <td>A</td> <td>Setting the A value</td> <td>-200.0 to 200.0</td> </tr> <tr> <td>B</td> <td>Setting the B value</td> <td>-200.0 to 200.0</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Enters the value that is indicated on the back of the chart using the +/- or numeric keys. Press the start key. The value is set. 	Display	Description	CCD	Entering the target values of the chart (P/N: 302FZ56990) used for adjustment	DP	Entering the measurement value of the chart (P/N: 302AC68243) used for adjustment	CIS	Execution is not required	Display	Description	N875	Setting the N875 patch for the original for adjustment	N475	Setting the N475 patch for the original for adjustment	N125	Setting the N125 patch for the original for adjustment	CYAN	Setting the cyan patch for the original for adjustment	MAGENTA	Setting the magenta patch for the original for adjustment	YELLOW	Setting the yellow patch for the original for adjustment	RED	Setting the red patch for the original for adjustment	GREEN	Setting the green patch for the original for adjustment	BLUE	Setting the blue patch for the original for adjustment	ADJUST ORIGINAL	Setting the main and auxiliary scanning directions	Display	Description	Setting range	L	Setting the L value	0.0 to 100.0	A	Setting the A value	-200.0 to 200.0	B	Setting the B value	-200.0 to 200.0
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ADJUST ORIGINAL	Setting the main and auxiliary scanning directions																																										
Display	Description	Setting range																																									
L	Setting the L value	0.0 to 100.0																																									
A	Setting the A value	-200.0 to 200.0																																									
B	Setting the B value	-200.0 to 200.0																																									

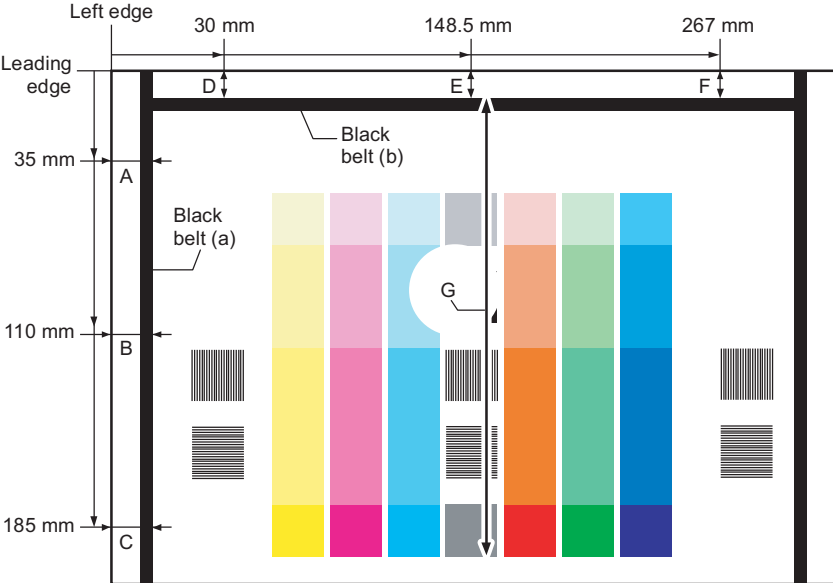
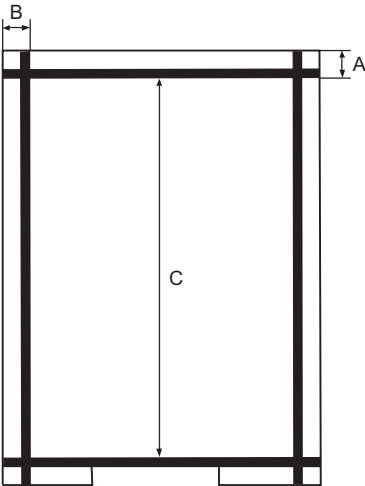
Maintenance item No.	Description
<p>U425</p>	<p>Setting: [ADJUST ORIGINAL]</p> <ol style="list-style-type: none"> 1. Measure the distance from the left edge to the black belt (a) of the original at A, B and C. Measurement procedure 1) Measure the distance from the edge to the black belt (a) of the original at A (35 mm from the leading edge), B (110 mm from the leading edge) and C (185 mm from the leading edge), respectively. 2) Apply the following formula for the values obtained: $((A + C) / 2 + B) / 2$ 2. Enter the values solved using the +/- keys in [MAIN ADJ]. 3. Press the start key. The value is set. 4. Measure the distance from the leading edge to the black belt (b) of the original at D, E and F. Measurement procedure 1) Measure the length from the edge to the black belt (b) of the original at D (30 mm from the left edge), E (148.5 mm from the left edge) and F (267 mm from the left edge), respectively. 2) Apply the following formula for the values obtained: $((D + F) / 2 + E) / 2$ 5. Enter the values solved using the +/- keys in [SUB LEAD ADJ]. 6. Press the start key. The value is set. 7. Measure the length (G) from the leading edge of the black belt (b) to the bottom of the N475 patch of the original. 8. Enter the measured value using the +/- keys in [SUB TAIL ADJ]. 9. Press the start key. The value is set. 10. To return to the screen for selecting an item, press the stop key.  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;"> <p>[MAIN ADJ] = $((A + C) / 2 + B) / 2$</p> <p>[SUB LEAD ADJ] = $((D + F) / 2 + E) / 2$</p> <p>[SUB TAIL ADJ] = G</p> </div> <p style="text-align: center;">Original for adjustment (P/N: 302FZ56990)</p>

Figure 1-3-27

Maintenance item No.	Description
U425	<p>Setting: [DP]</p> <ol style="list-style-type: none">1. Measure the distance from the leading edge to the black belt (inside) of the original at A.2. Enter the measured value using the +/- keys in [LEAD].3. Measure the distance from the left edge to the black belt (inside) of the original at B.4. Enter the measured value using the +/- keys in [MAIN SCAN].5. Measure the distance from the black belt of leading edge (inside) to the black belt of trailing edge (inside) of the original at C.6. Enter the measured value using the +/- keys in [SUB SCAN].7. Press the start key. The value is set. <div style="text-align: center;"></div> <p>Original for adjustment (P/N: 302AC68243)</p> <p>Figure 1-3-28</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Maintenance item No.	Description																																		
U429	<p>Setting the offset for the color balance</p> <p>Description Displays and changes the density for each color during copying in the various image quality modes.</p> <p>Purpose To change the balance for each color.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the image quality mode. The setting screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Text + Photo</td> <td>Density of each color in the text & photo mode</td> </tr> <tr> <td>Photo</td> <td>Density of each color in the photo mode</td> </tr> <tr> <td>Printed photo</td> <td>Density of each color in the printed photo mode</td> </tr> <tr> <td>Text</td> <td>Density of each color in the text mode</td> </tr> <tr> <td>Map</td> <td>Density of each color in the map mode</td> </tr> <tr> <td>Printed Document</td> <td>Density of each color in the printed document mode</td> </tr> </tbody> </table> <p>Setting</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>CYAN</td> <td>Value of the cyan setting</td> <td>-5 to 5</td> <td>0</td> </tr> <tr> <td>MAGENTA</td> <td>Value of the magenta setting</td> <td>-5 to 5</td> <td>0</td> </tr> <tr> <td>YELLOW</td> <td>Value of the yellow setting</td> <td>-5 to 5</td> <td>0</td> </tr> <tr> <td>BLACK</td> <td>Value of the black setting</td> <td>-5 to 5</td> <td>0</td> </tr> </tbody> </table> <p>Increasing the value darkens the density and decreasing it lightens the density.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Text + Photo	Density of each color in the text & photo mode	Photo	Density of each color in the photo mode	Printed photo	Density of each color in the printed photo mode	Text	Density of each color in the text mode	Map	Density of each color in the map mode	Printed Document	Density of each color in the printed document mode	Display	Description	Setting range	Initial setting	CYAN	Value of the cyan setting	-5 to 5	0	MAGENTA	Value of the magenta setting	-5 to 5	0	YELLOW	Value of the yellow setting	-5 to 5	0	BLACK	Value of the black setting	-5 to 5	0
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Maintenance item No.	Description																						
U432	<p>Setting the center offset for the exposure</p> <p>Description Sets the offset value for the setting data for exposure centering adjustment under user simulation. For example, if the value for the exposure centering adjustment is set to -1 and you change the offset value to +2, image processing is performed as though the exposure centering adjustment setting is +1.</p> <p>Purpose Set according to the preference of the user.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. The setting screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Full Color</td> <td>Exposure offset setting for the full color mode</td> </tr> <tr> <td>Mono Color</td> <td>Exposure offset setting for the black and white mode</td> </tr> </tbody> </table> <p>Setting</p> <ol style="list-style-type: none"> 1. Select image quality mode. 2. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Text</td> <td>Offset value for the text mode</td> <td>-3 to 3</td> <td>0</td> </tr> <tr> <td>Text + Photo</td> <td>Offset value for the text & photo mode</td> <td>-3 to 3</td> <td>0</td> </tr> <tr> <td>Other</td> <td>Offset value for other modes</td> <td>-3 to 3</td> <td>0</td> </tr> </tbody> </table> <p>If the setting value is increased to increase the exposure centering adjustment value, images is darker. If the setting value is decreased to decrease the exposure centering adjustment value, images is lighter.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Full Color	Exposure offset setting for the full color mode	Mono Color	Exposure offset setting for the black and white mode	Display	Description	Setting range	Initial setting	Text	Offset value for the text mode	-3 to 3	0	Text + Photo	Offset value for the text & photo mode	-3 to 3	0	Other	Offset value for other modes	-3 to 3	0
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Maintenance item No.	Description																																						
U464	<p>Setting the ID correction operation</p> <p>Description Turns ID correction (calibration) on or off. Also, this determines the duration of calibration and the timing of calibration during printing. Also, this allows individual settings for calibration operation by enabling custom settings.</p> <p>Purpose To restrict calibration when poor image quality is generated. Also, this allows individual settings for calibration by enabling custom settings in setting the calibration cycle under the machine defaults depending on the user preferences. Performs AC calibration when replacing the developing or drum unit.</p> <p>Supplement If you changes the settings, set the [Set Custom] setting to ON and select [System Menu] → [Adjustment/Maintenance] → [Color Calibration Cycle] → [Custom].</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. The setting screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Permission</td> <td>Setting to turn calibration on/off</td> </tr> <tr> <td>Set Time Interval</td> <td>Setting the interval time of calibration after printing</td> </tr> <tr> <td>Set Sleep Period for Calib</td> <td>Setting the standard time for judging whether or not to carry out calibration based on the sleep time when the machine recovers from the sleep mode.</td> </tr> <tr> <td>Permission Act.(50sheets)</td> <td>Turning paper interval calibration on/off after continuously printing 50 pages</td> </tr> <tr> <td>Permission (ON/Sleep out)</td> <td>Setting execution parameters for calibration when powered up or reverted from auto-sleep</td> </tr> <tr> <td>Permission (AP/NE)</td> <td>Paper interval calibration ON/OFF setting at the time of calibration/near end after toner feed</td> </tr> <tr> <td>SetCalib Timing duringPrint</td> <td>Setting the standard time for judging whether or not to carry out calibration based on the continuous print driving time during printing.</td> </tr> <tr> <td>Set Interval CalibDriveTime</td> <td>Setting the standard time for judging whether or not to carry out paper interval calibration based on the driving time during printing.</td> </tr> <tr> <td>Set Interval CalibPrint Rate</td> <td>Setting the standard printing ratio for judging whether or not to carry out calibration based on the printing ratio when printing the tenth sheet.</td> </tr> <tr> <td>Set Custom</td> <td>Turning custom settings on/off in setting the calibration cycle under the system menu</td> </tr> <tr> <td>AC Calibration</td> <td>Executing the AC calibration</td> </tr> <tr> <td>Target Value</td> <td>Setting the sensor target values for toner thick layer calibration and light amount calibration</td> </tr> <tr> <td>PrintRate(B/W)</td> <td>Setting the proportion of black/white printing at which black/white calibration is executed during color printing.</td> </tr> <tr> <td>AC Calib Magnification</td> <td>AC calibration target bias value setting</td> </tr> <tr> <td>SetInt.Calib PrintRate(H)</td> <td>Setting the standard printing ratio for judging whether or not to carry out calibration based on the printing ratio when printing the tenth sheet (half speed).</td> </tr> <tr> <td>Set Calib TimingduringPrint(H)</td> <td>Setting the standard time for judging whether or not to carry out calibration based on the continuous print driving time during printing (half speed).</td> </tr> <tr> <td>AC Calib Type</td> <td>Mode setting for AC calibration bias control</td> </tr> <tr> <td>Warmup Calib Type*</td> <td>Mode setting for start-up calibration</td> </tr> </tbody> </table> <p>*: 25/25, 30/30 ppm model only</p>	Display	Description	Permission	Setting to turn calibration on/off	Set Time Interval	Setting the interval time of calibration after printing	Set Sleep Period for Calib	Setting the standard time for judging whether or not to carry out calibration based on the sleep time when the machine recovers from the sleep mode.	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U464	<p>Setting: [SetCalib Timing duringPrint]</p> <ol style="list-style-type: none"> Change the setting value using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Timing(sec)</td> <td>Setting the drive standard time of continuous print</td> <td>300 to 3600 (s)</td> <td>1800</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Setting: [Set Interval CalibDriveTime]</p> <ol style="list-style-type: none"> Change the setting value using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Time(sec)</td> <td>Setting the drive standard time</td> <td>300 to 3000 (s)</td> <td>600</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Setting: [Set Interval CalibPrintRate]</p> <ol style="list-style-type: none"> Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Threshold Level(%)</td> <td>Setting the standard printing ratio</td> <td>0 to 100 (%)</td> <td>20</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Setting: [Set Custom]</p> <ol style="list-style-type: none"> Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Set to custom settings in setting the calibration cycle under the system menu</td> </tr> <tr> <td>OFF</td> <td>Set to standard settings in setting the calibration cycle under the system menu</td> </tr> </tbody> </table> <p>Initial setting: OFF</p> <ol style="list-style-type: none"> Press the start key. The setting is set. <p>Setting: [AC Calibration]</p> <ol style="list-style-type: none"> Select the color of the replaced developing unit or drum unit. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CYAN</td> <td>Developing unit C or drum unit C</td> </tr> <tr> <td>MAGENTA</td> <td>Developing unit M or drum unit M</td> </tr> <tr> <td>YELLOW</td> <td>Developing unit Y or drum unit Y</td> </tr> <tr> <td>BLACK</td> <td>Developing unit K or drum unit K</td> </tr> <tr> <td>High Altitude</td> <td>Overall setting for installation at high altitude</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press ON/OFF. If the machine is installed at high altitude, select [High Altitude]. Press the start key. AC calibration is executed. When normally completed, [Complete] is displayed. When an error occurs, an error code is displayed. Turn the main power switch off and on. 	Display	Description	Setting range	Initial setting	Timing(sec)	Setting the drive standard time of continuous print	300 to 3600 (s)	1800	Display	Description	Setting range	Initial setting	Time(sec)	Setting the drive standard time	300 to 3000 (s)	600	Display	Description	Setting range	Initial setting	Threshold Level(%)	Setting the standard printing ratio	0 to 100 (%)	20	Display	Description	ON	Set to custom settings in setting the calibration cycle under the system menu	OFF	Set to standard settings in setting the calibration cycle under the system menu	Display	Description	CYAN	Developing unit C or drum unit C	MAGENTA	Developing unit M or drum unit M	YELLOW	Developing unit Y or drum unit Y	BLACK	Developing unit K or drum unit K	High Altitude	Overall setting for installation at high altitude
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Select the item. 2. 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Press the start key. The value is set. <p>Setting: [PrintRate(B/W)]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Threshold Level(%)</td> <td>Proportion of black/white printing</td> <td>0 to 100 (%)</td> <td>50</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Setting: [AC Calib Magnification]</p> <ol style="list-style-type: none"> 1. Select the item. 2. Change the setting value using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>CYAN</td> <td>Target bias value (cyan)</td> <td>-10 to 5</td> <td>0</td> </tr> <tr> <td>MAGENTA</td> <td>Target bias value (magenta)</td> <td>-10 to 5</td> <td>0</td> </tr> <tr> <td>YELLOW</td> <td>Target bias value (yellow)</td> <td>-10 to 5</td> <td>0</td> </tr> <tr> <td>BLACK</td> <td>Target bias value (black)</td> <td>-10 to 5</td> <td>0</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. 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U464	<p>Setting: [SetInt.Calib PrintRate(H)]</p> <p>1. Change the setting value using the +/- or numeric keys.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Threshold Level(%)</td> <td>Setting the standard printing ratio</td> <td>0 to 100 (%)</td> <td>10</td> </tr> </tbody> </table> <p>2. Press the start key. The value is set.</p> <p>Setting: [Set Calib TimingduringPrint(H)]</p> <p>1. Change the setting value using the +/- keys.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Timing(sec)</td> <td>Setting the drive standard time of continuous print</td> <td>300 to 3600 (s)</td> <td>600</td> </tr> </tbody> </table> <p>2. Press the start key. The value is set.</p> <p>Setting: [AC Calib Type]</p> <p>1. Select MODE1 or MODE2.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MODE1</td> <td>Execute AC calibration by normal bias control</td> </tr> <tr> <td>MODE2</td> <td>Execute AC calibration by fixed bias value</td> </tr> </tbody> </table> <p>Initial setting: MODE1</p> <p>2. Press the start key. The setting is set.</p> <p>Setting: [Warmup Calib Type]</p> <p>1. Select MODE1 or MODE2.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MODE1</td> <td>Execute simple calibration for 25/25, 30/30 ppm model at startup.</td> </tr> <tr> <td>MODE2</td> <td>Execute regular calibration for 40/40, 50/40 ppm model at startup.</td> </tr> </tbody> </table> <p>Initial setting: MODE1</p> <p>2. Press the start key. The setting is set.</p> <p>Completion</p> <p>Press stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Threshold Level(%)	Setting the standard printing ratio	0 to 100 (%)	10	Display	Description	Setting range	Initial setting	Timing(sec)	Setting the drive standard time of continuous print	300 to 3600 (s)	600	Display	Description	MODE1	Execute AC calibration by normal bias control	MODE2	Execute AC calibration by fixed bias value	Display	Description	MODE1	Execute simple calibration for 25/25, 30/30 ppm model at startup.	MODE2	Execute regular calibration for 40/40, 50/40 ppm model at startup.
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U465	<p>Data reference for ID correction</p> <p>Description References the data related to ID correction.</p> <p>Purpose To check the corresponding data.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be reference. The screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>TCONT</td> <td>Developing bias control value after ID correction</td> </tr> <tr> <td>XYZ (C)</td> <td>Data of grayscale variance for cyan</td> </tr> <tr> <td>XYZ (M)</td> <td>Data of grayscale variance for magenta</td> </tr> <tr> <td>XYZ (Y)</td> <td>Data of grayscale variance for yellow</td> </tr> <tr> <td>XYZ (K)</td> <td>Data of grayscale variance for black</td> </tr> <tr> <td>LASER POWER</td> <td>Scaling factor to the value determined in light amount calibration</td> </tr> <tr> <td>Bias Calib</td> <td>Sensor value for toner thick layer calibration</td> </tr> </tbody> </table> <p>Displaying: [TCOUNT]</p> <ol style="list-style-type: none"> 1. Select [TCOUNT]. 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LASER POWER M	Scaling factor to the value determined in light amount calibration (magenta)																																																						
LASER POWER Y	Scaling factor to the value determined in light amount calibration (yellow)																																																						

Maintenance item No.	Description										
U465	<p>Displaying: [Bias Calib]</p> <p>1. Select [Bias calib]. The current value is displayed.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Bias Calib Density K</td> <td>Sensor value for toner thick layer calibration (black)</td> </tr> <tr> <td>Bias Calib Density C</td> <td>Sensor value for toner thick layer calibration (cyan)</td> </tr> <tr> <td>Bias Calib Density M</td> <td>Sensor value for toner thick layer calibration (magenta)</td> </tr> <tr> <td>Bias Calib Density Y</td> <td>Sensor value for toner thick layer calibration (yellow)</td> </tr> </tbody> </table> <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Bias Calib Density K	Sensor value for toner thick layer calibration (black)	Bias Calib Density C	Sensor value for toner thick layer calibration (cyan)	Bias Calib Density M	Sensor value for toner thick layer calibration (magenta)	Bias Calib Density Y	Sensor value for toner thick layer calibration (yellow)
Display	Description										
Bias Calib Density K	Sensor value for toner thick layer calibration (black)										
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Bias Calib Density M	Sensor value for toner thick layer calibration (magenta)										
Bias Calib Density Y	Sensor value for toner thick layer calibration (yellow)										

Maintenance item No.	Description																												
U467	<p>Setting the color registration adjustment</p> <p>Description Sets the color registration adjustment and transfer belt speed correction. Also, determines the conditions by which color registration correction is executed depending on the LSU temperature.</p> <p>Purpose If color variance is uneven due to a sensor failure, etc., turn this off and temporarily make a manual adjustment.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. Select the item to be set. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Color Regist Adjustment</td> <td>Setting the color registration correction operation</td> </tr> <tr> <td>Transfer Belt Speed Adj.</td> <td>Setting the transfer belt speed correction operation</td> </tr> <tr> <td>Set Timing</td> <td>After the previous correction is executed, color registration is compensated as the LSU temperature varies by the value determined.</td> </tr> </tbody> </table> <p>Setting: [Color Regist Adjustment]</p> <ol style="list-style-type: none"> Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Enables the color registration correction operation.</td> </tr> <tr> <td>OFF</td> <td>Disables the color registration correction operation.</td> </tr> </tbody> </table> <p>Initial setting: ON</p> <ol style="list-style-type: none"> Press the start key. The setting is set. <p>Setting: [Transfer Belt Speed Adj.]</p> <ol style="list-style-type: none"> Select ON or OFF. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Enables the transfer belt speed correction operation.</td> </tr> <tr> <td>OFF</td> <td>Disables the transfer belt speed correction operation.</td> </tr> </tbody> </table> <p>Initial setting: ON</p> <ol style="list-style-type: none"> Press the start key. The setting is set. <p>Setting: [Set Timing]</p> <ol style="list-style-type: none"> Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>TIMING</td> <td>Conditions for execution depending on the LSU temperature variation</td> <td>2 to 10</td> <td>10</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Color Regist Adjustment	Setting the color registration correction operation	Transfer Belt Speed Adj.	Setting the transfer belt speed correction operation	Set Timing	After the previous correction is executed, color registration is compensated as the LSU temperature varies by the value determined.	Display	Description	ON	Enables the color registration correction operation.	OFF	Disables the color registration correction operation.	Display	Description	ON	Enables the transfer belt speed correction operation.	OFF	Disables the transfer belt speed correction operation.	Display	Description	Setting range	Initial setting	TIMING	Conditions for execution depending on the LSU temperature variation	2 to 10	10
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Maintenance item No.	Description																																						
U468	<p>Checking the color registration data</p> <p>Description Displays the color registration correction data and transfer belt speed correction data.</p> <p>Purpose To check the corresponding data.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be reference. The screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Auto Adjustment(C)</td> <td>Display the auto color registration adjustment value for cyan</td> </tr> <tr> <td>Auto Adjustment(M)</td> <td>Display the auto color registration adjustment value for magenta</td> </tr> <tr> <td>Auto Adjustment(Y)</td> <td>Display the auto color registration adjustment value for yellow</td> </tr> <tr> <td>Manual Adjustment(C)</td> <td>Display the manual color registration adjustment value for cyan</td> </tr> <tr> <td>Manual Adjustment(M)</td> <td>Display the manual color registration adjustment value for magenta</td> </tr> <tr> <td>Manual Adjustment(Y)</td> <td>Display the manual color registration adjustment value for yellow</td> </tr> <tr> <td>Speed Adjustment</td> <td>Display the transfer speed adjustment value</td> </tr> </tbody> </table> <p>Displaying: [Auto Adjustment]</p> <ol style="list-style-type: none"> 1. Select [Auto Adjustment(C)], [Auto Adjustment(M)] or [Auto Adjustment(Y)]. The current value is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Main Scan(C)/(M)/(Y)</td> <td>Auto color registration adjustment value of the main scanning direction</td> </tr> <tr> <td>Sub Scan(C)/(M)/(Y)</td> <td>Auto color registration adjustment value of the auxiliary scanning direction</td> </tr> <tr> <td>Magnification(C)/(M)/(Y)</td> <td>Auto color registration adjustment value of the magnification</td> </tr> </tbody> </table> <p>Displaying: [Manual Adjustment]</p> <ol style="list-style-type: none"> 1. Select [Manual Adjustment(C)], [Manual Adjustment((M)] or [Manual Adjustment((Y)]. The current value is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Main Scan(C)/(M)/(Y)</td> <td>Manual color registration adjustment value of the main scanning direction</td> </tr> <tr> <td>Sub Scan(C)/(M)/(Y)</td> <td>Manual color registration adjustment value of the auxiliary scanning direction</td> </tr> <tr> <td>Magnification 1 - 6 (C)/(M)/(Y)</td> <td>Manual color registration adjustment value of the magnification</td> </tr> </tbody> </table> <p>Displaying: [Speed Adjustment]</p> <ol style="list-style-type: none"> 1. Select [Speed Adjustment]. The current value is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>SPEED</td> <td>transfer speed</td> </tr> <tr> <td>STATUS</td> <td>transfer speed adjustment value</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Auto Adjustment(C)	Display the auto color registration adjustment value for cyan	Auto Adjustment(M)	Display the auto color registration adjustment value for magenta	Auto Adjustment(Y)	Display the auto color registration adjustment value for yellow	Manual Adjustment(C)	Display the manual color registration adjustment value for cyan	Manual Adjustment(M)	Display the manual color registration adjustment value for magenta	Manual Adjustment(Y)	Display the manual color registration adjustment value for yellow	Speed Adjustment	Display the transfer speed adjustment value	Display	Description	Main Scan(C)/(M)/(Y)	Auto color registration adjustment value of the main scanning direction	Sub Scan(C)/(M)/(Y)	Auto color registration adjustment value of the auxiliary scanning direction	Magnification(C)/(M)/(Y)	Auto color registration adjustment value of the magnification	Display	Description	Main Scan(C)/(M)/(Y)	Manual color registration adjustment value of the main scanning direction	Sub Scan(C)/(M)/(Y)	Manual color registration adjustment value of the auxiliary scanning direction	Magnification 1 - 6 (C)/(M)/(Y)	Manual color registration adjustment value of the magnification	Display	Description	SPEED	transfer speed	STATUS	transfer speed adjustment value
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Maintenance item No.	Description																																																																				
U470	<p>Setting the JPEG compression ratio</p> <p>Description Sets the compression ratio for JPEG images in each image quality mode.</p> <p>Purpose To change the setting in accordance with the image that the user is copying. For example, in order to soften the coarseness of the image when making copies at over 200% magnification, change the level of compression by raising the value. Lowering the value will increase the compression and thereby lower the image quality; Raising the value will increase image quality but lower the image processing speed.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. The setting screen for the selected item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>System</td> <td>Compression ratio for temporary storage in system</td> </tr> <tr> <td>Copy</td> <td>Compression ratio for copying</td> </tr> <tr> <td>Send</td> <td>Compression ratio for sending</td> </tr> </tbody> </table> <p>Setting: [System]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>Brightness</td> <td>1 to 100</td> <td>90</td> </tr> <tr> <td>C</td> <td>Color differential</td> <td>1 to 100</td> <td>90</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Setting: [Copy]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Text Y</td> <td>Brightness in the text mode</td> <td>1 to 100</td> <td>90</td> </tr> <tr> <td>Text C</td> <td>Color differential in the text mode</td> <td>1 to 100</td> <td>90</td> </tr> <tr> <td>Photo Y</td> <td>Brightness in the photo mode</td> <td>1 to 100</td> <td>90</td> </tr> <tr> <td>Photo C</td> <td>Color differential in the photo mode</td> <td>1 to 100</td> <td>90</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Setting: [Send]</p> <ol style="list-style-type: none"> 1. Select [Text], [Photo] or [HC-PDF]. 2. Select the item to be set. 3. Change the setting value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Text Y (1) to (5)</td> <td>Brightness in the text mode</td> <td>1 to 100</td> <td>30/40/51/70/90</td> </tr> <tr> <td>Text C (1) to (5)</td> <td>Color differential in the text mode</td> <td>1 to 100</td> <td>30/40/51/70/90</td> </tr> <tr> <td>Photo Y (1) to (5)</td> <td>Brightness in the photo mode</td> <td>1 to 100</td> <td>30/40/51/70/90</td> </tr> <tr> <td>Photo C (1) to (5)</td> <td>Color differential in the photo mode</td> <td>1 to 100</td> <td>30/40/51/70/90</td> </tr> <tr> <td>HC-PDF Y (1) to (3)</td> <td>Brightness of high compression PDF</td> <td>1 to 100</td> <td>15/25/60</td> </tr> <tr> <td>HC-PDF C (1) to (3)</td> <td>Color differential of high compression PDF</td> <td>1 to 100</td> <td>15/25/60</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the start key. The value is set. 	Display	Description	System	Compression ratio for temporary storage in system	Copy	Compression ratio for copying	Send	Compression ratio for sending	Display	Description	Setting range	Initial setting	Y	Brightness	1 to 100	90	C	Color differential	1 to 100	90	Display	Description	Setting range	Initial setting	Text Y	Brightness in the text mode	1 to 100	90	Text C	Color differential in the text mode	1 to 100	90	Photo Y	Brightness in the photo mode	1 to 100	90	Photo C	Color differential in the photo mode	1 to 100	90	Display	Description	Setting range	Initial setting	Text Y (1) to (5)	Brightness in the text mode	1 to 100	30/40/51/70/90	Text C (1) to (5)	Color differential in the text mode	1 to 100	30/40/51/70/90	Photo Y (1) to (5)	Brightness in the photo mode	1 to 100	30/40/51/70/90	Photo C (1) to (5)	Color differential in the photo mode	1 to 100	30/40/51/70/90	HC-PDF Y (1) to (3)	Brightness of high compression PDF	1 to 100	15/25/60	HC-PDF C (1) to (3)	Color differential of high compression PDF	1 to 100	15/25/60
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Maintenance item No.	Description
U470	<p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Maintenance item No.	Description																																																								
U473	<p>Adjusting laser power output</p> <p>Description Adjusts the laser output power for each color. Also, this is used to toggle exposure density correction and enter exposure density correction values.</p> <p>Purpose Enter the exposure density correction data after replacing the laser scanner unit. Also performed when the quality of dots, lines or low density has dropped.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set or checked. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Set Sensitivity</td> <td>Indication of drum sensitivity correction value of each every color</td> </tr> <tr> <td>Adjust LSU Laser Power</td> <td>LSU laser output value of each every color</td> </tr> <tr> <td>Density Correction</td> <td>The setting whether or not correct the sensitivity</td> </tr> <tr> <td>Input Density Adjust Value</td> <td>Exposure density correction value</td> </tr> <tr> <td>Set Density (EmitTime/Dot)</td> <td>Setting the LSU laser output</td> </tr> </tbody> </table> <p>Method: [Set Sensitivity]</p> <ol style="list-style-type: none"> 1. The current value is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>C (Full)</td> <td>Cyan drum sensitivity correction value</td> </tr> <tr> <td>M (Full)</td> <td>Magenta drum sensitivity correction value</td> </tr> <tr> <td>Y (Full)</td> <td>Yellow drum sensitivity correction value</td> </tr> <tr> <td>K (Full)</td> <td>Black drum sensitivity correction value</td> </tr> <tr> <td>K(BW)*</td> <td>Drum sensitivity correction value in black/white mode</td> </tr> <tr> <td>C (Half)</td> <td>Cyan drum sensitivity correction value</td> </tr> <tr> <td>M (Half)</td> <td>Magenta drum sensitivity correction value</td> </tr> <tr> <td>Y (Half)</td> <td>Yellow drum sensitivity correction value</td> </tr> <tr> <td>K (Half)</td> <td>Black drum sensitivity correction value</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <p>Setting: [LSU laser output value]</p> <ol style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>LSU LD Power (C)</td> <td>Laser output value for cyan</td> <td>-128 to 127</td> <td>16</td> </tr> <tr> <td>LSU LD Power (M)</td> <td>Laser output value for magenta</td> <td>-128 to 127</td> <td>16</td> </tr> <tr> <td>LSU LD Power (Y)</td> <td>Laser output value for yellow</td> <td>-128 to 127</td> <td>16</td> </tr> <tr> <td>LSU LD Power (K)</td> <td>Laser output value for black</td> <td>-128 to 127</td> <td>16</td> </tr> <tr> <td>LSU LD Power (K) BW*</td> <td>LSU laser output value for black in black/white mode</td> <td>-128 to 127</td> <td>16</td> </tr> </tbody> </table> <p>*: 50/40 ppm model only.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 	Display	Description	Set Sensitivity	Indication of drum sensitivity correction value of each every color	Adjust LSU Laser Power	LSU laser output value of each every color	Density Correction	The setting whether or not correct the sensitivity	Input Density Adjust Value	Exposure density correction value	Set Density (EmitTime/Dot)	Setting the LSU laser output	Display	Description	C (Full)	Cyan drum sensitivity correction value	M (Full)	Magenta drum sensitivity correction value	Y (Full)	Yellow drum sensitivity correction value	K (Full)	Black drum sensitivity correction value	K(BW)*	Drum sensitivity correction value in black/white mode	C (Half)	Cyan drum sensitivity correction value	M (Half)	Magenta drum sensitivity correction value	Y (Half)	Yellow drum sensitivity correction value	K (Half)	Black drum sensitivity correction value	Display	Description	Setting range	Initial setting	LSU LD Power (C)	Laser output value for cyan	-128 to 127	16	LSU LD Power (M)	Laser output value for magenta	-128 to 127	16	LSU LD Power (Y)	Laser output value for yellow	-128 to 127	16	LSU LD Power (K)	Laser output value for black	-128 to 127	16	LSU LD Power (K) BW*	LSU laser output value for black in black/white mode	-128 to 127	16
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LSU LD Power (K) BW*	LSU laser output value for black in black/white mode	-128 to 127	16																																																						

Maintenance item No.	Description																																															
U473	<p>Setting: [Density Correction]</p> <p>1. Select ON or OFF.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Correct the sensitivity</td> </tr> <tr> <td>OFF</td> <td>Do not correct the sensitivity</td> </tr> </tbody> </table> <p>Initial setting: ON</p> <p>2. Press the start key. The setting is set.</p> <p>Setting: [Input Density Adjust Value]</p> <p>1. Select the color.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CYAN</td> <td>Exposure density correction value for cyan</td> </tr> <tr> <td>MAGENTA</td> <td>Exposure density correction value for magenta</td> </tr> <tr> <td>YELLOW</td> <td>Exposure density correction value for yellow</td> </tr> <tr> <td>BLACK</td> <td>Exposure density correction value for black</td> </tr> </tbody> </table> <p>2. Enter the setting value on the sheet supplied with LSU using the +/- or numeric keys.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> </tr> </thead> <tbody> <tr> <td>X0 (C) - X10 (C)</td> <td>Enter the setting value for cyan</td> <td>-30 to 30</td> </tr> <tr> <td>X0 (M) - X10 (M)</td> <td>Enter the setting value for magenta</td> <td>-30 to 30</td> </tr> <tr> <td>X0 (Y) - X10 (Y)</td> <td>Enter the setting value for yellow</td> <td>-30 to 30</td> </tr> <tr> <td>X0 (K) - X10 (K)</td> <td>Enter the setting value for black</td> <td>-30 to 30</td> </tr> </tbody> </table> <p>3. Press the start key. The value is set.</p> <p>Setting: [Set Density(EmitTime/Dot)]</p> <p>1. Select [BLACK] or [ALL].</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>BLACK</td> <td>LSU laser output for black</td> </tr> <tr> <td>ALL</td> <td>LSU laser output for all colors</td> </tr> </tbody> </table> <p>2. Select the item.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0 (100%)</td> <td>LSU laser output (100%)</td> </tr> <tr> <td>1 (90%)</td> <td>LSU laser output (90%)</td> </tr> <tr> <td>2 (80%)</td> <td>LSU laser output (80%)</td> </tr> <tr> <td>3 (70%)</td> <td>LSU laser output (70%)</td> </tr> </tbody> </table> <p>Initial setting: ALL: 0</p> <p>3. Press the start key. The setting is set.</p> <p>Supplement When selecting [Adjust Laser Power Output] or [Input Density Adjust Value], copying from an original is available in the interrupt copying mode.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	ON	Correct the sensitivity	OFF	Do not correct the sensitivity	Display	Description	CYAN	Exposure density correction value for cyan	MAGENTA	Exposure density correction value for magenta	YELLOW	Exposure density correction value for yellow	BLACK	Exposure density correction value for black	Display	Description	Setting range	X0 (C) - X10 (C)	Enter the setting value for cyan	-30 to 30	X0 (M) - X10 (M)	Enter the setting value for magenta	-30 to 30	X0 (Y) - X10 (Y)	Enter the setting value for yellow	-30 to 30	X0 (K) - X10 (K)	Enter the setting value for black	-30 to 30	Display	Description	BLACK	LSU laser output for black	ALL	LSU laser output for all colors	Display	Description	0 (100%)	LSU laser output (100%)	1 (90%)	LSU laser output (90%)	2 (80%)	LSU laser output (80%)	3 (70%)	LSU laser output (70%)
Display	Description																																															
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Maintenance item No.	Description																						
U474	<p>Checking LSU cleaning operation</p> <p>Description Provides cleaning LSU by means of the LSU cleaning clutch and LSU cleaning solenoid. Also, the cleaning cycle can be adjusted.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Cleaning Operation</td> <td>Executing the cleaning operation</td> </tr> <tr> <td>Cleaning Cycle</td> <td>Setting the cleaning cycle</td> </tr> <tr> <td>Cleaning Setting</td> <td>Setting the cleaning operation</td> </tr> </tbody> </table> <p>Method: [Cleaning Operation]</p> <ol style="list-style-type: none"> 1. Select [Cleaning Operation]. 2. Press the start key. Cleaning the LSU slit glass. <p>Setting: [Cleaning Cycle]</p> <ol style="list-style-type: none"> 1. Select [Cleaning Cycle]. 2. Change the setting value using +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Cleaning Cycle</td> <td>Cleaning cycle</td> <td>0 to 5000</td> <td>1000</td> </tr> </tbody> </table> <p>The setting can be changed by 1000 per step.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Setting: [Cleaning Setting]</p> <ol style="list-style-type: none"> 1. Change the setting using the +/- keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>LSU cleaning operation is not executed at startup or sleep recovery.</td> </tr> <tr> <td>1</td> <td>LSU cleaning operation is executed at startup and sleep recovery.</td> </tr> </tbody> </table> <p>Initial setting: 1</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Cleaning Operation	Executing the cleaning operation	Cleaning Cycle	Setting the cleaning cycle	Cleaning Setting	Setting the cleaning operation	Display	Description	Setting range	Initial setting	Cleaning Cycle	Cleaning cycle	0 to 5000	1000	Display	Description	0	LSU cleaning operation is not executed at startup or sleep recovery.	1	LSU cleaning operation is executed at startup and sleep recovery.
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Maintenance item No.	Description																				
<p>U485</p>	<p>Setting the image processing mode</p> <p>Description Sets the detection level for scanning printed matter outputted with the confidential document guard function. Also, sets the process PDF images are rotated.</p> <p>Purpose To change the detection level when the confidential document guard is not printed well for detection in scanning. Also, changes the process of how PDF images are rotated.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Conf. Doc. Detection</td> <td>Confidential document guard detection level</td> </tr> <tr> <td>PDF Rotate</td> <td>Processing the rotation of PDF images</td> </tr> </tbody> </table> <p>Setting: [Conf. Doc. Detection]</p> <ol style="list-style-type: none"> 1. Change the setting value using +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Conf. Doc. Detection</td> <td>Confidential document guard detection level</td> <td>1 to 5</td> <td>1</td> </tr> </tbody> </table> <p>A smaller value raises the detection sensitivity but increases the possibility of false detection. A larger value lowers the detection sensitivity but decreases the possibility of false detection.</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Setting: [PDF Rotate]</p> <ol style="list-style-type: none"> 1. Change the setting value using +/- or numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Assigns the image rotation with the internal parameter</td> </tr> <tr> <td>1</td> <td>Assigns the image rotation with the actual image</td> </tr> </tbody> </table> <p>Initial setting: 0</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Conf. Doc. Detection	Confidential document guard detection level	PDF Rotate	Processing the rotation of PDF images	Display	Description	Setting range	Initial setting	Conf. Doc. Detection	Confidential document guard detection level	1 to 5	1	Display	Description	0	Assigns the image rotation with the internal parameter	1	Assigns the image rotation with the actual image
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Conf. Doc. Detection	Confidential document guard detection level																				
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1	Assigns the image rotation with the actual image																				

Maintenance item No.	Description										
U486	<p>Setting color/black and white operation mode</p> <p>Description When color and B/W documents are mixed, sets operation mode after a color document is detected.</p> <p>Purpose To ensure productivity when copying color and B/W documents in ACS mode, select MODE3. However, selecting MODE3 will increase the maintenance count for cyan, magenta, and yellow color developing units even when there is a B/W original after a color original.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the MODE. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MODE1</td> <td>Line speed: Color and B/W line speed is switched according to each original Controlling developing motor MCY: Color and B/W mode is switched according to each original</td> </tr> <tr> <td>MODE2</td> <td>Line speed: Fixed at color line speed Controlling developing motor MCY: Color and B/W mode is switched according to each original</td> </tr> <tr> <td>MODE3</td> <td>Line speed: Fixed at color line speed on and after a color original Controlling developing motor MCY: Fixed at color mode on and after a color original</td> </tr> <tr> <td>AUTO</td> <td>Automatic selection of MODE1 to 3 depending on the using pattern</td> </tr> </tbody> </table> <p>Initial setting: MODE2</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MODE1	Line speed: Color and B/W line speed is switched according to each original Controlling developing motor MCY: Color and B/W mode is switched according to each original	MODE2	Line speed: Fixed at color line speed Controlling developing motor MCY: Color and B/W mode is switched according to each original	MODE3	Line speed: Fixed at color line speed on and after a color original Controlling developing motor MCY: Fixed at color mode on and after a color original	AUTO	Automatic selection of MODE1 to 3 depending on the using pattern
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AUTO	Automatic selection of MODE1 to 3 depending on the using pattern										

Maintenance item No.	Description										
U510	<p>Setting the enterprise mode</p> <p>Description Sets whether or not the application function (DBA) is enabled.</p> <p>Purpose According to user request, changes the setting.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [MODE1]. 3. Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Application function is enabled</td> </tr> <tr> <td>OFF</td> <td>Application function is disabled</td> </tr> <tr> <td>INSTALL</td> <td>Executing the install</td> </tr> <tr> <td>UNINSTALL</td> <td>Executing the uninstall</td> </tr> </tbody> </table> <p>Initial setting: ON (Inch specifications)/OFF (Metric specifications)</p> <ol style="list-style-type: none"> 4. Press the start key. The setting is set. <p>Method: [INSTALL]</p> <ol style="list-style-type: none"> 1. Insert the USB memory that contains the application into the USB memory slot on the machine. 2. Turn the main power switch on. 3. Enter the maintenance item. 4. Press the start key. 5. Select [INSTALL]. 6. Press the start key. Installation of application is started. 7. When normally completed, [Complete] is displayed. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	ON	Application function is enabled	OFF	Application function is disabled	INSTALL	Executing the install	UNINSTALL	Executing the uninstall
Display	Description										
ON	Application function is enabled										
OFF	Application function is disabled										
INSTALL	Executing the install										
UNINSTALL	Executing the uninstall										

Maintenance item No.	Description																
U901	<p>Checking copy counts by paper feed locations</p> <p>Description Displays or clears copy counts by paper feed locations.</p> <p>Purpose To check the time to replace consumable parts.</p> <p>Method</p> <ol style="list-style-type: none"> Press the start key. The counts by paper feed locations are displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MP TRAY</td> <td>MP tray</td> </tr> <tr> <td>CASSETTE 1</td> <td>Cassette 1</td> </tr> <tr> <td>CASSETTE 2</td> <td>Cassette 2</td> </tr> <tr> <td>CASSETTE 3</td> <td>Cassette 3 (optional paper feeder)</td> </tr> <tr> <td>CASSETTE 4</td> <td>Cassette 4 (optional paper feeder)</td> </tr> <tr> <td>DUPLEX</td> <td>Duplex unit</td> </tr> <tr> <td>LCF</td> <td>Optional 3000-sheet paper feeder</td> </tr> </tbody> </table> <p>When an optional paper feed device is not installed, the corresponding count is not displayed.</p> <p>Clearing</p> <ol style="list-style-type: none"> Select the counts to be cleared. CASSETTE 3, CASSETTE 4 and LCF cannot be cleared. Select the counts for all and press [ALL CLEAR]. Press the start key. The counts is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MP TRAY	MP tray	CASSETTE 1	Cassette 1	CASSETTE 2	Cassette 2	CASSETTE 3	Cassette 3 (optional paper feeder)	CASSETTE 4	Cassette 4 (optional paper feeder)	DUPLEX	Duplex unit	LCF	Optional 3000-sheet paper feeder
Display	Description																
MP TRAY	MP tray																
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CASSETTE 2	Cassette 2																
CASSETTE 3	Cassette 3 (optional paper feeder)																
CASSETTE 4	Cassette 4 (optional paper feeder)																
DUPLEX	Duplex unit																
LCF	Optional 3000-sheet paper feeder																
U902	<p>Checking/clearing finisher punch count</p> <p>Description Sets the punch limit and displays and clears the punch-hole scrap count when 3000-sheet document finisher is installed.</p> <p>Purpose Sets the punch limit to notify the user of the time to collect punch-hole scrap. Also, used to manually clear the punch-hole scrap count if a message requiring collection of punch-hole scrap is shown on the touch panel after collection. If punch-hole scrap is collected with the machine power turned off, the punch-hole scrap count is not cleared and consequently this problem occurs.</p> <p>Setting</p> <ol style="list-style-type: none"> Press the start key. Select the item. Change the value using the numeric keys. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> </tr> </thead> <tbody> <tr> <td>PUNCH LIMIT (*1000)</td> <td>Punch limit (maximum number of punching times)</td> <td>0 to 9999000</td> </tr> <tr> <td>PUNCH WASTE COUNT</td> <td>Punch-hole scrap count (current number of punching times)</td> <td>0 to 9999999</td> </tr> </tbody> </table> <p>The punch limit can be set in increments of 1000.</p> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Clearing</p> <ol style="list-style-type: none"> Enter 0 using the numeric keys. Press the start key. The count is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	PUNCH LIMIT (*1000)	Punch limit (maximum number of punching times)	0 to 9999000	PUNCH WASTE COUNT	Punch-hole scrap count (current number of punching times)	0 to 9999999							
Display	Description	Setting range															
PUNCH LIMIT (*1000)	Punch limit (maximum number of punching times)	0 to 9999000															
PUNCH WASTE COUNT	Punch-hole scrap count (current number of punching times)	0 to 9999999															

Maintenance item No.	Description						
U903	<p>Checking/clearing the paper jam counts</p> <p>Description Displays or clears the jam counts by jam locations.</p> <p>Purpose To check the paper jam status. Also to clear the jam counts after replacing consumable parts.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for selecting an item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Count</td> <td>Displays/clears the jam counts</td> </tr> <tr> <td>Total Count</td> <td>Displays the total jam counts</td> </tr> </tbody> </table> <p>Method: [Count]</p> <ol style="list-style-type: none"> 1. Select [Count]. The count of jam code by type is displayed. Codes for which the count value is 0 are not displayed. 2. Change the screen using the cursor up/down keys. 3. Select the counts for all jam codes and press [ALL CLEAR]. The individual counter cannot be cleared. 4. Press the start key. The count is cleared. <p>Method: [Total Count]</p> <ol style="list-style-type: none"> 1. Select [Total Count]. The total number of jam code by type is displayed. 2. Change the screen using the cursor up/down keys. The total number of jam count cannot be cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Count	Displays/clears the jam counts	Total Count	Displays the total jam counts
Display	Description						
Count	Displays/clears the jam counts						
Total Count	Displays the total jam counts						
U904	<p>Checking/clearing the call for service counts</p> <p>Description Displays or clears the service call code counts by types.</p> <p>Purpose To check the service call code status by types. Also to clear the service call code counts after replacing consumable parts.</p> <p>Start</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press the start key. The screen for selecting an item is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Count</td> <td>Displays/clears the call for service counts</td> </tr> <tr> <td>Total Count</td> <td>Displays the total call for service counts</td> </tr> </tbody> </table> <p>Method: [Count]</p> <ol style="list-style-type: none"> 1. Select [Count]. The count for service call detection by type is displayed. Codes for which the count value is 0 are not displayed. 2. Change the screen using the cursor up/down keys. 3. Select the counts for all service call codes and press [ALL CLEAR]. The individual counter cannot be cleared. 4. Press the start key. The count is cleared. <p>Method: [Total Count]</p> <ol style="list-style-type: none"> 1. Select [Total Count]. The total number of service call counts by type is displayed. 2. Change the screen using the cursor up/down keys. The total number of service call count cannot be cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Count	Displays/clears the call for service counts	Total Count	Displays the total call for service counts
Display	Description						
Count	Displays/clears the call for service counts						
Total Count	Displays the total call for service counts						

Maintenance item No.	Description																																
U905	<p>Checking counts by optional devices</p> <p>Description Displays the counts of DP or finisher.</p> <p>Purpose To check the use of DP and finisher.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the device, the count of which is to be checked. 3. Press the start key. The count of the selected device is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>DP</td> <td>Counts of optional DP</td> </tr> <tr> <td>FINISHER</td> <td>Counts of optional document finisher or 3000-sheet document finisher</td> </tr> </tbody> </table> <p>DP</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ADP</td> <td>No. of single-sided originals that has passed through the DP</td> </tr> <tr> <td>RADP</td> <td>No. of double-sided originals that has passed through the DP</td> </tr> <tr> <td>CONCURRENT</td> <td>No. of dual scan originals that has passed through the DP</td> </tr> </tbody> </table> <p>Document finisher</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CP CNT</td> <td>No. of copies that has passed</td> </tr> <tr> <td>STAPLE</td> <td>Frequency the stapler has been activated</td> </tr> </tbody> </table> <p>3000-sheet document finisher</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CP CNT</td> <td>No. of copies that has passed</td> </tr> <tr> <td>STAPLE</td> <td>Frequency the stapler has been activated</td> </tr> <tr> <td>PUNCH</td> <td>Frequency the punch has been activated</td> </tr> <tr> <td>STACK</td> <td>Frequency the stacker has been activated</td> </tr> <tr> <td>SADDLE</td> <td>Frequency the center holding has been activated</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	DP	Counts of optional DP	FINISHER	Counts of optional document finisher or 3000-sheet document finisher	Display	Description	ADP	No. of single-sided originals that has passed through the DP	RADP	No. of double-sided originals that has passed through the DP	CONCURRENT	No. of dual scan originals that has passed through the DP	Display	Description	CP CNT	No. of copies that has passed	STAPLE	Frequency the stapler has been activated	Display	Description	CP CNT	No. of copies that has passed	STAPLE	Frequency the stapler has been activated	PUNCH	Frequency the punch has been activated	STACK	Frequency the stacker has been activated	SADDLE	Frequency the center holding has been activated
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Maintenance item No.	Description				
<p>U906</p>	<p>Resetting partial operation control Description Resets the service call code for partial operation control. Purpose To be reset after partial operation is performed due to problems in the cassettes or other sections, and the related parts are serviced. Method 1. Press the start key. 2. Press [Execute]. 3. Press the start key to reset partial operation control. 4. Turn the main power switch off and on.</p>				
<p>U908</p>	<p>Checking the total counter value Description Displays the total counter value. Purpose To check the total counter value. Method 1. Press the start key. The screen for total count value is displayed.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Total Count</td> <td>Total count value</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Total Count	Total count value
Display	Description				
Total Count	Total count value				
<p>U910</p>	<p>Clearing the coverage data Description Clears the accumulated data for the digital dot coverage per A4 size paper in all colors. Purpose To clear data as required at times such as during maintenance service. Method 1. Press the start key. 2. Press [Execute]. 3. Press the start key. The digital dot coverage data is cleared. Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>				

Maintenance item No.	Description
U911	<p>Checking/clearing copy counts by paper sizes</p> <p>Description</p> <p>Displays and clears the paper feed counts by paper sizes.</p> <p>Purpose</p> <p>To check or clear the counts after replacing consumable parts.</p> <p>Method</p> <p>Press the start key. The screen for the paper feed counts by paper size is displayed.</p> <p>Clearing</p> <ol style="list-style-type: none"><li>1. Select the paper size to be cleared. Select the counts for all and press [ALL CLEAR].<li>2. Press the start key. All counts are cleared. <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Maintenance item No.	Description																																				
U917	<p>Setting backup data reading/writing</p> <p>Description Retrieves the backup data to a USB memory from the machine; or writes the data from the USB memory to the machine.</p> <p>Purpose To store and write data when replacing the HDD.</p> <p>Method</p> <ol style="list-style-type: none"> Press the power key on the operation panel, and after verifying the power indicator has gone off, switch off the main power switch. Insert USB memory in USB memory slot. Turn the main power switch on. Enter the maintenance item. Press the start key. Select [Export] or [Import]. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Export</td> <td>Retrieving from the machine to a USB memory</td> </tr> <tr> <td>Import</td> <td>Writing data from the USB memory to the machine</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Select the item. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Depending data^{*1}</th> </tr> </thead> <tbody> <tr> <td>Address Book</td> <td>Address book</td> <td>-</td> </tr> <tr> <td>Job Acctn.</td> <td>Job accounting</td> <td>-</td> </tr> <tr> <td>FAX Forward</td> <td>FAX transfer information</td> <td>Job accounting, user management and document box information</td> </tr> <tr> <td>One Touch</td> <td>Information on one-touch</td> <td>Address book</td> </tr> <tr> <td>User</td> <td>User managements</td> <td>Job accounting</td> </tr> <tr> <td>Shortcut</td> <td>Shortcut information</td> <td>Job accountings, user managements and document box information</td> </tr> <tr> <td>Document Box</td> <td>Document box information</td> <td>Job accountings and user managements</td> </tr> <tr> <td>Program</td> <td>Program information</td> <td>Job accountings, user managements and document box information</td> </tr> <tr> <td>ADDRESS BOOK ONE TOUCH^{*2}</td> <td>Address book and Information on one-touch</td> <td>Address book and Information on one-touch</td> </tr> </tbody> </table> <p>^{*1}: Since data are dependent with each other, data other than those assigned are also retrieved or written in.</p> <p>^{*2}: When ADDRESS BOOK ONE TOUCH is selected, editing with the Set up tool is not possible, however, Import/Export in high speed mode is possible.</p> <ol style="list-style-type: none"> Press the start key. Starts reading or writing. The progress of selected item is displayed in %. When an error occurs, the operation is canceled and an error code is displayed (see page 1-3-151). When normally completed, [Finished] is displayed. Turn the main power switch off and on after completing writing when selecting [Import]. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Export	Retrieving from the machine to a USB memory	Import	Writing data from the USB memory to the machine	Display	Description	Depending data ^{*1}	Address Book	Address book	-	Job Acctn.	Job accounting	-	FAX Forward	FAX transfer information	Job accounting, user management and document box information	One Touch	Information on one-touch	Address book	User	User managements	Job accounting	Shortcut	Shortcut information	Job accountings, user managements and document box information	Document Box	Document box information	Job accountings and user managements	Program	Program information	Job accountings, user managements and document box information	ADDRESS BOOK ONE TOUCH ^{*2}	Address book and Information on one-touch	Address book and Information on one-touch
Display	Description																																				
Export	Retrieving from the machine to a USB memory																																				
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Address Book	Address book	-																																			
Job Acctn.	Job accounting	-																																			
FAX Forward	FAX transfer information	Job accounting, user management and document box information																																			
One Touch	Information on one-touch	Address book																																			
User	User managements	Job accounting																																			
Shortcut	Shortcut information	Job accountings, user managements and document box information																																			
Document Box	Document box information	Job accountings and user managements																																			
Program	Program information	Job accountings, user managements and document box information																																			
ADDRESS BOOK ONE TOUCH ^{*2}	Address book and Information on one-touch	Address book and Information on one-touch																																			

Maintenance item No.	Description			
U917	Error Codes			
	Codes	Description	Codes	Description
	321e0001	Parameter error	321e002f	Box open error
	321e0002	File write error	321e0030	Box close error
	321e0003	File initialization error	321e0031	Box creation error
	321e0004	File error	321e0032	Box creation error
	321e0005	Processing error	321e0033	Box deletion error
	321e0006	Address book clear error (contact)	321e0034	Box movement error
	321e0007	Address book open error (contact)	321e0035	Fax memory directory creation error
	321e0008	Address book list error (contact)	321e0036	Fax memory error in writing
	321e0009	Address book list error (contact)	321e0037	Fax memory error in reading
	321e000a	Address book clear error (group)	321e0038	Shortcut error in writing
	321e000b	Address book open error (group)	321e0039	Shortcut error in reading
	321e000c	Address book list error (group)	321e003a	Program error in writing
	321e000d	Address book list error (group)	321e003b	Program error in reading
	321e000e	Job accounting clear error	321e003c	Address/One Touch directory creation error
	321e000f	Job accounting file open error	321e003d	Address/One Touch error in writing
	321e0010	Job accounting file open error	321e003e	Address/One Touch error in reading
	321e0011	Job accounting error in writing	321e003f	File reading error
	321e0012	Job accounting list error	321e0040	File writing error
	321e0013	Job accounting list error	321e0041	Data mismatch
	321e0014	One-touch open error	321e0042	Log file open error
	321e0015	One-touch list error	321e0043	Log file error in writing
	321e0016	One-touch list error	321e0044	Directory open error
	321e0017	User managements backup error	321e0045	Directory error in reading
	321e0018	User managements clear error	321d0000	Unspecified error
	321e0019	User managements file open error	321d0001	HDD unavailable
	321e001a	User managements file open error	321d0002	USB memory is not inserted
	321e001b	User managements file open error	321d0003	File for writing is not found in the USB
	321e001c	User managements error in writing	321d0004	File for reading is not found in the HDD
	321e001d	User managements list error	321d0005	USB error in writing
	321e001e	User managements list error	321d0006	USB error in reading
	321e001f	User managements list error	321d0007	USB unmount error
	321e0020	User managements list error	321d0008	File rename error
	321e0021	User managements file open error	321d0009	File open error
	321e0022	User managements error	321d000a	File close error
	321e0023	User managements error	321d000b	File reading error
	321e0024	User managements file open error	321d000c	File writing error
	321e0025	User managements error	321d000d	File copy error
	321e0026	User managements file open error	321d000e	File compressed error
	321e0027	User managements error	321d000f	File decompressed error
	321e0028	Box file open error	321d0010	Directory open error
	321e0029	Box error in writing	321d0011	Directory creation error
	321e002a	Box error in reading	321d0012	File writing error
	321e002b	Box list error	321d0013	File reading error
	321e002c	Box list error	321d0014	File deletion error
	321e002d	Box error	321d0015	Log file copy error to the USB
	321e002e	Box error		

Maintenance item No.	Description														
U920	<p>Checking the copy counts</p> <p>Description Checks the copy counts.</p> <p>Purpose To check the copy counts.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The current counts of full color copy counter, single color copy counter, black and white copy counter, color printer counter, black and white printer counter and black and white fax counter are displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Full Color Copy Count</td> <td>Count value of full color copy</td> </tr> <tr> <td>Mono Color Copy Count</td> <td>Count value of single color copy</td> </tr> <tr> <td>Monochrome Copy Count</td> <td>Count value of black/white copy</td> </tr> <tr> <td>Color Printer Count</td> <td>Count value of color printer</td> </tr> <tr> <td>Monochrome Printer Count</td> <td>Count value of black/white printer</td> </tr> <tr> <td>Monochrome Fax Count</td> <td>Count value of black/white fax</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Full Color Copy Count	Count value of full color copy	Mono Color Copy Count	Count value of single color copy	Monochrome Copy Count	Count value of black/white copy	Color Printer Count	Count value of color printer	Monochrome Printer Count	Count value of black/white printer	Monochrome Fax Count	Count value of black/white fax
Display	Description														
Full Color Copy Count	Count value of full color copy														
Mono Color Copy Count	Count value of single color copy														
Monochrome Copy Count	Count value of black/white copy														
Color Printer Count	Count value of color printer														
Monochrome Printer Count	Count value of black/white printer														
Monochrome Fax Count	Count value of black/white fax														
U927	<p>Clearing the all copy counts and machine life counts (one time only)</p> <p>Description Resets all of the counts back to zero.</p> <p>Supplement The total account counter and the machine life counter can be cleared only once if all count values are 1000 or less.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [EXECUTE]. 3. Press the start key. All copy counts and machine life counts are cleared. [CAN NOT EXECUTE] is displayed if the count cannot be cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>														
U928	<p>Checking machine life counts</p> <p>Description Displays the machine life counts.</p> <p>Purpose To check the machine life counts.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The current machine life counts is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>LIFE COUNT</td> <td>Machine life counts</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	LIFE COUNT	Machine life counts										
Display	Description														
LIFE COUNT	Machine life counts														

Maintenance item No.	Description																				
U930	<p>Checking/clearing the charger roller count</p> <p>Description Displays the counts of the charger roller counter for checking or clearing.</p> <p>Purpose To check the count after replacement of the charger roller unit. To clear the counter value when replacing the charger roller unit.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The current counts of the charger roller count for each color is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Charge Roller Count(K)</td> <td>Count value of black charger roller</td> </tr> <tr> <td>Charge Roller Count(C)</td> <td>Count value of cyan charger roller</td> </tr> <tr> <td>Charge Roller Count(M)</td> <td>Count value of magenta charger roller</td> </tr> <tr> <td>Charge Roller Count(Y)</td> <td>Count value of yellow charger roller</td> </tr> </tbody> </table> <p>Clearing</p> <ol style="list-style-type: none"> 1. Select the counts to be cleared. Select the counts for all and press [ALL CLEAR]. 2. Press the start key. The counts is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Charge Roller Count(K)	Count value of black charger roller	Charge Roller Count(C)	Count value of cyan charger roller	Charge Roller Count(M)	Count value of magenta charger roller	Charge Roller Count(Y)	Count value of yellow charger roller										
Display	Description																				
Charge Roller Count(K)	Count value of black charger roller																				
Charge Roller Count(C)	Count value of cyan charger roller																				
Charge Roller Count(M)	Count value of magenta charger roller																				
Charge Roller Count(Y)	Count value of yellow charger roller																				
U942	<p>Setting of deflection for feeding from DP</p> <p>Description Adjusts the deflection generated when the DP is used.</p> <p>Purpose Use this mode if an original non-feed jam, oblique feed or wrinkling of original occurs when the DP is used.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting</th> <th>Initial</th> <th>Change in</th> </tr> </thead> <tbody> <tr> <td>REGIST TOP</td> <td>Deflection of single-sided original</td> <td>-31 to 31</td> <td>0</td> <td>0.176 mm</td> </tr> <tr> <td>REGIST BACK</td> <td>Deflection of double-sided original</td> <td>-31 to 31</td> <td>0</td> <td>0.176 mm</td> </tr> <tr> <td>REGIST MIX</td> <td>Deflection of dual scanning</td> <td>-31 to 31</td> <td>0</td> <td>0.176 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the system menu key. 4. Place an original on the DP and press the start key to make a test copy. 5. Press the system menu key. 6. Change the setting value using the +/- or numeric keys. The greater the value, the larger the deflection; the smaller the value, the smaller the deflection. If an original non-feed jam or oblique feed occurs, increase the setting value. If wrinkling of original occurs, decrease the value. 7. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting	Initial	Change in	REGIST TOP	Deflection of single-sided original	-31 to 31	0	0.176 mm	REGIST BACK	Deflection of double-sided original	-31 to 31	0	0.176 mm	REGIST MIX	Deflection of dual scanning	-31 to 31	0	0.176 mm
Display	Description	Setting	Initial	Change in																	
REGIST TOP	Deflection of single-sided original	-31 to 31	0	0.176 mm																	
REGIST BACK	Deflection of double-sided original	-31 to 31	0	0.176 mm																	
REGIST MIX	Deflection of dual scanning	-31 to 31	0	0.176 mm																	

Maintenance item No.	Description																
U964	<p>Checking of log</p> <p>Description Sends a log file saved on the HDD to a USB memory.</p> <p>Purpose To transfer a log file saved on the HDD to a USB memory as a means of investigating malfunctions.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Insert USB memory in USB memory slot. 2. Turn the main power switch on. 3. Enter the maintenance item. 4. Press the start key. 5. Select [Execute]. 6. Press the start key. Starts sending the log file saved on the HDD to the USB memory. 7. When normally completed, [Complete] is displayed. When an error occurs, an error code is displayed. 8. Turn the main power switch off and on. <p>Error codes</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>No Usb Storage</td> <td>USB memory is not inserted</td> </tr> <tr> <td>No File</td> <td>File is not found</td> </tr> <tr> <td>Mount Error</td> <td>USB memory mount error</td> </tr> <tr> <td>File Delete Error</td> <td>File deletion error</td> </tr> <tr> <td>Copy Error</td> <td>File copy error</td> </tr> <tr> <td>Unmount Error</td> <td>USB memory unmount error</td> </tr> <tr> <td>Other Error</td> <td>Other error</td> </tr> </tbody> </table>	Display	Description	No Usb Storage	USB memory is not inserted	No File	File is not found	Mount Error	USB memory mount error	File Delete Error	File deletion error	Copy Error	File copy error	Unmount Error	USB memory unmount error	Other Error	Other error
Display	Description																
No Usb Storage	USB memory is not inserted																
No File	File is not found																
Mount Error	USB memory mount error																
File Delete Error	File deletion error																
Copy Error	File copy error																
Unmount Error	USB memory unmount error																
Other Error	Other error																
U969	<p>Checking of toner area code</p> <p>Description Displays the toner area code.</p> <p>Purpose To check the toner area code.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The toner area code is displayed. <p>Completion Press the stop/clear key. The screen for selecting a maintenance item No. is displayed.</p>																

Maintenance item No.	Description										
U977	<p>Data capture mode</p> <p>Description Store the print data sent to the machine into USB memory.</p> <p>Purpose In case to occur the error at printing, check the print data sent to the machine.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Insert USB memory in USB memory slot. 2. Turn the main power switch on. 3. Enter the maintenance item. 4. Press the start key. 5. Press [EXECUTE]. 6. Press the start key. 7. Send the print data to the machine. <p>Once the print data is stored into USB memory, [Complete] will be displayed.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>										
U984	<p>Checking the developing unit number</p> <p>Description Displays the developing unit number.</p> <p>Purpose To check the developing unit number.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The developing unit number for each color is displayed. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>DEVELOPING UNIT NO. (C)</td> <td>Cyan developing unit number</td> </tr> <tr> <td>DEVELOPING UNIT NO. (M)</td> <td>Magenta developing unit number</td> </tr> <tr> <td>DEVELOPING UNIT NO. (Y)</td> <td>Yellow developing unit number</td> </tr> <tr> <td>DEVELOPING UNIT NO. (K)</td> <td>Black developing unit number</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	DEVELOPING UNIT NO. (C)	Cyan developing unit number	DEVELOPING UNIT NO. (M)	Magenta developing unit number	DEVELOPING UNIT NO. (Y)	Yellow developing unit number	DEVELOPING UNIT NO. (K)	Black developing unit number
Display	Description										
DEVELOPING UNIT NO. (C)	Cyan developing unit number										
DEVELOPING UNIT NO. (M)	Magenta developing unit number										
DEVELOPING UNIT NO. (Y)	Yellow developing unit number										
DEVELOPING UNIT NO. (K)	Black developing unit number										

Maintenance item No.	Description																
U985	<p>Displaying the developing unit history</p> <p>Description Indicates the past record of machine number and the developing counter.</p> <p>Purpose To check the machine number and the developing counter.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the color to check. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>DEVELOP HISTORY(C)</td> <td>Cyan developing unit past record</td> </tr> <tr> <td>DEVELOP HISTORY(M)</td> <td>Magenta developing unit past record</td> </tr> <tr> <td>DEVELOP HISTORY(Y)</td> <td>Yellow developing unit past record</td> </tr> <tr> <td>DEVELOP HISTORY(K)</td> <td>Black developing unit past record</td> </tr> </tbody> </table> <p>The history of a machine number and a developing counter for each color is displayed by three cases.</p> <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MACHINE HISTORY 1 - 3</td> <td>Historical records of the machine number</td> </tr> <tr> <td>COUNT HISTORY 1 - 3</td> <td>Historical records of developing counter</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	DEVELOP HISTORY(C)	Cyan developing unit past record	DEVELOP HISTORY(M)	Magenta developing unit past record	DEVELOP HISTORY(Y)	Yellow developing unit past record	DEVELOP HISTORY(K)	Black developing unit past record	Display	Description	MACHINE HISTORY 1 - 3	Historical records of the machine number	COUNT HISTORY 1 - 3	Historical records of developing counter
Display	Description																
DEVELOP HISTORY(C)	Cyan developing unit past record																
DEVELOP HISTORY(M)	Magenta developing unit past record																
DEVELOP HISTORY(Y)	Yellow developing unit past record																
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Display	Description																
MACHINE HISTORY 1 - 3	Historical records of the machine number																
COUNT HISTORY 1 - 3	Historical records of developing counter																
U989	<p>HDD Scandisk</p> <p>Description Restores data in the hard disk by scanning the disk.</p> <p>Purpose If power is turned off while accessing to the hard disk is performed, the control information in the hard disk drive may be damaged. Use this mode to restore the data.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [EXECUTE]. 3. Press the start key. When scanning of the disk is complete, the execution result is displayed. 4. Turn the main power switch off and on. 																
U990	<p>Checking/clearing the time for the exposure lamp to light</p> <p>Description Displays, clears or changes the accumulated time for the CIS to light.</p> <p>Purpose To check duration of use of the CIS. Also to clear the accumulated time for the CIS after replacement.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The accumulated time of illumination for the CIS is displayed in minutes. 2. Clear the accumulated time using the +/- or numeric keys. 3. Press the start key. The time is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>																

Maintenance item No.	Description								
U991	<p>Checking the scanner operation count</p> <p>Description Displays the scanner operation count.</p> <p>Purpose To check the status of use of the scanner.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. <table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>COPY SCAN CNT</td> <td>Scanner operation count for copying</td> </tr> <tr> <td>FAX SCAN CNT</td> <td>Scanner operation count for fax</td> </tr> <tr> <td>OTHER SCAN COUNT</td> <td>Scanner operation count except for copying</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance No. item is displayed.</p>	Display	Description	COPY SCAN CNT	Scanner operation count for copying	FAX SCAN CNT	Scanner operation count for fax	OTHER SCAN COUNT	Scanner operation count except for copying
Display	Description								
COPY SCAN CNT	Scanner operation count for copying								
FAX SCAN CNT	Scanner operation count for fax								
OTHER SCAN COUNT	Scanner operation count except for copying								
U996	<p>Setting the Self-diagnostic function mode</p> <p>Description Assigns the detection and operation of service calls with normal mode.</p> <p>Purpose Switches the detection and operation of service calls from line mode to normal mode.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [NORMAL MODE]. 3. Press the start key. The detection and operation of service calls is set as normal mode. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>								