




SERVICE

Main Precautions for Maintenance


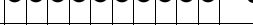

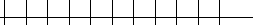
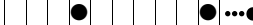
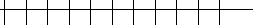
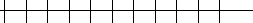

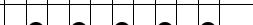

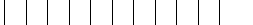
1. Points to be confirmed before maintenance
Before starting maintenance, ask a user and collect information about troubles that occurred on the machine before the maintenance and the conditions of the machine to grasp key points for the maintenance.
2. Copy sample
Be sure to make copy samples at the start and the end of maintenance for checking images.
3. Drum
 - a) Never expose the drum to the sunlight.
Be also careful not to expose a drum to indoor light as far as possible.
When a drum unit or a drum is out of the machine, never fail to cover it with a drum cover.
 - b) When replacing a drum or cleaning blade, refer to the Item mounting/dismounting of a cleaning blade for doing a replacement work.
4. When replacing the drum and developer, must perform necessary adjustment by referring to the List of Adjustment Items.
5. After having completed maintenance work, must reset the PM counter (using the 25 mode).
6. When replacing the fixing cleaning web, developer, drum and cleaning blade be sure to enter the 25 mode and select "Copy Count by Parts to be Replaced" to reset counter.
7. When replacing a toner cartridge, wait until the toner supply LED on the operation panel flashes before the replacement.

 **Caution:** Turn the main switch off and pull out the power plug without fail before the work of maintenance.

SERVICE SCHEDULE

[1] Service Schedule

	Service item	Number of copies	Guarantee period (5 years or 30,000,000 copies)																				Service count		
			×10,000 copies																						
			0	50	100	150	200	250	300	350	400	450	500	550	600			2650	2700	2750	2800	2850	2900	2950	
Main body	Maintenance	Every 500,000 copies		●	●	●	●	●	●	●	●	●	●	●	●	●	...	●	●	●	●	●	●	●	59 times
	Periodic check (I)	Every 1,000,000 copies			●		●		●		●		●		●		...	●		●		●		29 times	
	Periodic check (II)	Every 3,000,000 copies						●							●		...	●					9 times		
	Periodic check (III)	Every 4,500,000 copies									●						...	●					6 times		
	Periodic check (IV)	Every 6,000,000 copies													●		...	●					4 times		
	Periodic check (V)	Every 10,000,000 copies															...	●					2 times		
RADF EDH-5	Maintenance	Every 500,000 copies		●	●	●	●	●	●	●	●	●	●	●	●	●	...	●	●	●	●	●	●	59 times	
	Periodic check (I)	Every 1,00,000 copies			●		●		●		●		●		●		...	●		●		●		29 times	
	Periodic check (II)	Every 2,500,000 copies					●					●					...	●					11 times		
FNS FN-115	Maintenance	Every 500,000 copies		●	●	●	●	●	●	●	●	●	●	●	●	●	...	●	●	●	●	●	●	59 times	
	Periodic check (I)	Every 1,00,000 copies			●		●		●		●		●		●		...	●		●		●		29 times	
	Periodic check (II)	Every 6,000,000 copies													●		...	●					11 times		
FNS FN-7	Maintenance	Every 500,000 copies		●	●	●	●	●	●	●	●	●	●	●	●	●	...	●	●	●	●	●	●	59 times	
	Periodic check (I)	Every 1,00,000 copies			●		●		●		●		●		●		...	●		●		●		29 times	
	Periodic check (II)	Every 6,000,000 copies													●		...	●					11 times		

Category	Item	Frequency	Visual Representation	Frequency
LCT C-404/ C-303	Maintenance	Every 500,000 copies		59 times
	Periodic check (I)	Every 1,000,000 copies		29 times
	Periodic check (II)	Every 3,000,000 copies		9 times
PI Cover Insertor C	Maintenance	Every 500,000 copies		59 times
	Periodic check (I)	Every 1,000,000 copies		29 times
TU TMG-2	Maintenance	Every 500,000 copies		59 times
	Periodic check (I)	Every 10,000,000 copies		2 times
PU PK-3	Maintenance	Every 500,000 copies		59 times
	Periodic check (II)	Every 3,000,000 copies		9 times
PZ ZK-2	Maintenance	Every 500,000 copies		59 times
	Periodic check (II)	Every 3,000,000 copies		9 times

[2] Maintenance Items

Note: The Part Number supported may change in the future.

1. Main body (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspection	Lubri- cation	Replace- ment	
1	Preparation	(1) Image check			●			
2	Fixing unit	(1) Fixing separation claws (upper and lower) cleaning		●				
		(2) Fixing cleaning web (25 mode counter resetting) 4014-3030-xx	1				●	
3	Drum carriage (See Copy Materials section on page 3-22)	(1) Charging corona unit, cleaner, and developing unit, sensor support stay assembly, drum removal						
		(2) Drum carriage inside cleaning (including drum fixing coupling surface)		●				
		(3) Separation claw replace 4014-3013-xx	3				●	
4	Cleaner	(1) Cleaner unit cleaning		●				
		(2) Cleaning blade 4027-1359-xx (25 mode counter resetting) (36 mode blade setting mode)	2				●	
		(3) Fur brush 4014-3032-xx	1				●	
		(4) Scattering prevention felt 4014-3020-xx	1				●	
		(5) Installation on drum carriage						
5	Charging corona unit	(1) Charging corona unit/PCL cleaning		●				
		(2) Charging wire 4014-3010-xx	2				●	
		(3) Charging wire unit vibration proof rubber 4014-3003-xx	2				●	
		(4) Charging control plate 4014-3009-xx	1				●	
		(5) Charging wire cleaning unit 4014-3022-xx	2				●	
		(6) Resin ring (f2) 4014-1750-xx	2				●	
		(7) Installation on drum carriage						
6	Developing unit (See Copy Materials section on page 3-22)	(1) Developing wire unit cleaning		●				
		(2) Suction filter 4014-3014-xx	1					
		(3) Installation on drum carriage						

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspec- tion	Lubri- cation	Replace- ment	
7	Transfer / separation corona	(1) Transfer separation corona unit cleaning		●				
		(2) Transfer/separation wire 4014-3011-xx	3				●	
		(3) Transfer wire cleaning unit 4027-1317-xx	1				●	
		(4) Separation wire cleaning unit/1 4027-1318-xx	1				●	
		(5) Separation wire cleaning unit/2 4027-1319-xx	1				●	
		(6) Transfer/separation vibration proof rubber 4014-3012-xx	3				●	
		(7) Resin ring (f2) 4014-1750-xx	3				●	
8	Registration	(1) Paper dust removing brush/registration roller/others cleaning		●				
		(2) Mis-centering detection sensor cleaning		●				
9	ADU	(1) Horizontal conveyance roller/others cleaning		●				
		(2) Paper reverse/exit entrance guide plate cleaning		●				
10	Tray	(1) Paper dust removing brush (500-sheet tray)		●				
		(2) Paper dust removing brush (1000-sheet tray)		●				
		(3) Paper feed detection sensor cleaning		●				
		(4) Paper pre-registration detection sensor cleaning		●				
11	By-pass Tray	(1) Trailing edge size detection sensor cleaning		●				
12	Read	(1) Platen glass cleaning		●				
		(2) Slit glass cleaning		●				
		(3) Mirror cleaning		●				
13	Main body	(1) Exterior and interior cleaning		●				
14	Toner supply	(1) Cartridge insertion opening cleaning		●				
15	Final check	(1) W.U.T. check			●			
		(2) Image and paper feeding check (including vertical magnification adjustment and timing adjustment)			●			
		(3) PM counter resetting (25 mode)			●			

2. Main body (Every 750,000 copies)

1	(1) Drum replacement (25 mode counter resetting)	1		●		●	
	(2) Developer replacement (25 mode counter resetting)	1		●		●	

3. RADF [EDH] (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspection	Lubri- cation	Replac- ement	
1	Preparation	(1) Paper feeding check			●			
		(2) Exterior			●			
2	Paper feed section	(1) Size detection sensor 1		●				
		(2) Size detection sensor 2		●				
		(3) Size detection sensor 3		●				
		(4) Registration sensor		●				
		(5) Registration mirror						
		(6) Paper feed roller		●				
		(7) Separation roller		●				
		(8) Double feed prevention roller		●				
		(9) Separation assist roller		●				
		(10) Double feed prevention roller rubber		●				
		(11) Cleaning pad		●				
		(12) Registration roller		●				
3	Conveyance section	(1) Read sensor		●				
		(2) Read sensor mirror		●				
		(3) Skew sensor (F)		●				
		(4) Skew sensor (F) mirror		●				
		(5) Skew sensor (R)		●				
		(6) Skew sensor (R) mirror		●				
		(7) Read roller		●				
		(8) paper exit roller 1		●				
4	Paper exit section	(1) Reversal sensor/left sensor		●				
		(2) Reversal sensor/left sensor mirror		●				
		(3) Reversal sensor/middle sensor		●				
		(4) Reversal sensor/middle sensor mirror		●				
		(5) Reversal sensor/right sensor		●				
		(6) Reversal sensor/right sensor mirror		●				
		(7) Reversal roller		●				
		(8) Reverse conveyance roller 1		●				
		(9) Reverse conveyance roller 2		●				
		(10) Paper exit roller 2		●				
		(11) Reversal paper exit roller		●				
5	Final check	(1) Paper feeding check			●			
		(2) Exterior cleaning		●				

4. FNS [FN-115] (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspec- tion	Lubri- cation	Replace- ment	
1	Preparation	(1) Paper feeding check			●			
2	Conveyance section	(1) Conveyance roller		●				
		(2) Conveyance cleaning brush 4376-1110-xx	2				●	
3	Paper exit section	(1) Paper exit roller/A (sponge roller) 4014-1055-xx	10				●	
		(2) Cleaning of area around paper exit roller A		●				
4	Drive section	(1) Main drive unit			●	(●)		*1
		(2) Tray up unit			●	(●)		*1
		(3) Shift drive unit			●	(●)		*1
		(4) Paper exit drive unit			●	(●)		*1
		(5) Staple unit			●	(●)		*1
5	Stapler unit	(1) Staple cartridge (Staple for 100) (5,000 staples/cartridge)	2		●		(●)	Replace as necessary
6	Final check	(1) Exterior cleaning		●	●			
		(2) Paper through check			●			*2

*1 If abnormal sound is heard due to insufficient oil, lubricate it.

*2 Check if the staple is clinched correctly.

Note: The Part Number supported may change in the future.

5. FNS [FN-7] (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspection	Lubri- cation	Replace- ment	
1	Preparation	(1) Paper feeding check			●			
2	Conveyance section	(1) Conveyance roller		●				
		(2) Conveyance cleaning brush 4376-1110-xx	2				●	
3	Paper exit section	(1) Paper exit roller/A (sponge roller) 4014-1055-xx	10				●	
		(2) Cleaning of area around paper exit roller A		●				
4	Drive section	(1) Main drive unit			●	(●)		*1
		(2) Tray up unit			●	(●)		*1
		(3) Shift drive unit			●	(●)		*1
		(4) Paper exit drive unit			●	(●)		*1
		(5) Staple unit			●	(●)		*1
		(6) Folding unit			●	(●)		*1
5	Folding unit	(1) Flat belt			●			
		(2) Folding roller		●				
		(3) Pressure roller		●				
6	Stapler unit	(1) Staple cartridge (5,000 staples/cartridge)	2		●		(●)	Replace as necessary
7	Final check	(1) Exterior cleaning		●	●			
		(2) Paper through check			●			*2

*1 If abnormal sound is heard due to insufficient oil, lubricate it.

*2 Check if the staple is clinched correctly.

Note: The Part Number supported may change in the future.

6. LCT [C-403/404](Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspec- tion	Lubri- cation	Replace- ment	
1	Preparation	(1) Paper feeding check			●			
2	Inside of machine	(1) Paper dust removing brush cleaning		●				
		(2) Feed sensor cleaning		●				
		(3) Pre-registration sensor cleaning		●				
3	Final check	(1) Paper feeding check			●			
		(2) Exterior cleaning		●				

Note: The Part Number supported may change in the future.

7. Cover Inserter C (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspec- tion	Lubri- cation	Replace- ment	
1	Conveyance section	(1) Conveyance roller		●				
2	Paper feed section	(1) Paper feed roller		●				*1
		(2) Feed roller unit/B 4014-3153-xx	1				●	Actual replacement count: 100K feeds *1
		(3) Double feed prevention roller unit 4014-3121-xx	1				●	
3	Final check	(1) Paper feeding check			●			
		(2) Exterior cleaning		●	●			

*1 If abnormal sound is heard due to insufficient oil, lubricate it.

Note: The Part Number supported may change in the future.

8. TMG-2 (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspec- tion	Lubri- cation	Replace- ment	
1	Conveyance section	(1) Conveyance roller		●				
		(2) Conveyance belts		●				
2	Trimmer section	(1) Upper knife		●				Check and clean the remaining scraps.
		(2) Lower knife			●			
		(3) Paper scraps box and its area			●			
3	Stacker section	(1) Pusher section			●	(●)		*1
		(2) Stacker section			●	(●)		*1
4	Drive section	(1) Conveyance drive section			●			
5	Final check	(1) Paper feeding check			●			
		(2) Exterior cleaning		●				

*1 If abnormal sound is heard due to insufficient oil, lubricate it.

9. PK-3 (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Punch section	(1) Punch die		●				
2	Conveyance section	(1) Entrance guide plate/A		●				
		(2) Trailing edge detect section (Entrance guide plate/B)		●				
		(3) Registration roller		●				*1
		(4) Conveyance drive roller		●				*1
		(5) Exit conveyance roller		●				*1
		(6) Exit guide plate/A		●				
3	Finisher side	(1) Conveyance guide plate/B		●				
4	Punch scraps conveyance section	(1) Punch scraps box		●				*1
5	Final check	(1) Paper through check			●			
		(2) Internal cleaning		●				

*1 Check and clean the remaining punch scraps.

10. ZK-2 (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Punch section	(1) Punch die		●				
2	Conveyance section	(1) Entrance guide plate/A		●				
		(2) Trailing edge detect section (Entrance guide plate/B)		●				
		(3) Registration roller		●				*1
		(4) Conveyance drive roller		●				*1
		(5) Exit conveyance roller		●				*1
		(6) Exit guide plate/A		●				
3	Finisher side	(1) Conveyance guide plate/B		●				
4	Punch scraps conveyance section	(1) Punch scraps box		●				*1
5	Final check	(1) Paper through check			●			
		(2) Internal cleaning		●				

*1 Check and clean the remaining punch scraps.

[3] Main Body Periodic Inspection Items

1. Periodic check (I) (Every 1,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspec- tion	Lubri- cation	Replace- ment	
1	Tray	(1) Paper feed roller (500-sheet tray) 4014-3026-xx	2				●	Actual replacement count: 300K feeds
		(2) Feed roller (500-sheet tray) 4014-3027-xx	2				●	
		(3) Double feed prevention roller (500-sheet tray) 4014-3026-xx	2				●	
		(4) Paper feed roller (1000-sheet tray) 4014-3028-xx	1				●	Actual replacement count: 500K feeds
		(5) Feed roller (1000-sheet tray) 4014-3029-xx	1				●	
		(6) Double feed prevention roller (1000-sheet tray) 4014-3028-xx	1				●	
2	By-pass tray	(1) Paper feed roller (bypass tray) 4014-3026-xx	1				●	Actual replacement count: 200K feeds
		(2) Feed roller (bypass tray) 4014-3027-xx	1				●	
		(3) Double feed prevention roller (bypass tray) 4014-3026-xx	1				●	
3	Fixing unit	(1) Fixing upper roller 4027-1431-xx	1				●	
		(2) Fixing lower roller assembly 4027-1351-xx	1				●	
		(3) Fixing claw (upper) 4014-3017-xx	6				●	
		(4) Fixing claw (lower) 4014-3002-xx	2				●	
		(5) Insulating sleeve (upper) 4014-3007-xx	2				●	
		(6) Upper roller bearing 4014-1747-xx	2				●	
		(7) Fixing cleaning sheet assembly 4027-1356-xx	1				●	
		(8) Heat roller cleaning		●				
4	Registration	(1) Registration sensor cleaning		●				
		(2) Leading edge detection sensor cleaning		●				
5	ADU	(1) Paper reverse/exit sensor cleaning		●				
		(2) ADU deceleration sensor cleaning		●				
		(3) ADU Pre-registration sensor cleaning		●				
6	Drum carriage	(1) Drum fixing spring 4014-1798-xx	1				●	
		(2) Spring position adjusting collar 4014-1662-xx	1				●	

Note: The Part Number supported may change in the future.

2. Periodic check (II) (Every 3,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspection	Lubri- cation	Replace- ment	
1	Drum	(1) Drum temperature sensor 4027-1300-xx	1				●	
2	Transfer/separation corona unit	(1) Transfer/separation corona unit MC only 4027-1315-xx ME only 4027-1436-xx	1				●	
3	Registration	(1) Registration roller 4014-2038-xx	1				●	
		(2) Registration bearing 4014-2172-xx	2				●	
		(3) Registration loop roller 4014-3167-xx	1				●	
		(4) Registration clutch 4014-2290-xx	1				●	
		(5) Registration motor shaft gear				●		
4	ADU	(1) Paper reverse/exit roller 1 4027-1286-xx	1				●	
5	Fixing	(1) Insulating sleeve (heating roller) 4014-3005-xx	2				●	
		(2) Heating roller bearing 4014-3006-xx	2				●	
		(3) Temperature sensor (upper roller fault) 4014-2300-xx	1				●	
		(4) Temperature sensor (heating roller fault) 4014-2302-xx	1				●	
		(5) Fixing heating roller 4014-3016-xx	1				●	
		(6) Exit actuator 4014-2125-xx	1				●	
		(7) Heater lamp L2 MC only 4014-3035-xx ME only 4014-3038-xx	1				●	
		(8) Heater lamp L3 MC only 4014-3036-xx ME only 4014-3039-xx	1				●	
		(9) Heater lamp L4 MC only 4014-3037-xx ME only 4014-3040-xx	1				●	
6	Main body	(1) Ozone filter 1 4014-1795-xx	2				●	
		(2) Ozone filter 2 4014-1843-xx	1				●	
7	Toner supply	(1) Toner supply sleeve 1 4014-3207-xx	1				●	
		(2) Toner supply sleeve 2 4014-3208-xx	1				●	

Note: The Part Number supported may change in the future.

3. Periodic check (III) (Every 4,500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspec- tion	Lubri- cation	Replace- ment	
1	Tray	(1) Feed clutch 4024-1028-xx	3				●	Actual replacement count: 3,000K feeds
		(2) 1st paper feed clutch 4024-1028-xx	3				●	

Note: The Part Number supported may change in the future.

4. Periodic check (IV) (Every 6,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspec- tion	Lubri- cation	Replace- ment	
1	Charging corona unit	(1) Charging corona unit 4014-3022-xx	1				●	
		(2) PCL 4014-3201-xx	1				●	
2	Developing unit	(1) Developing unit 4027-1321-xx	1				●	
3	Transfer/separation corona unit	(1) TSL 4014-2292-xx	1				●	
4	Vertical conveyance section	(1) Vertical conveyance clutch 4024-1028-xx	2				●	Actual replacement count: 4,500K feeds
		(2) Vertical conveyance roller (upper) 4014-2023-xx	1				●	
		(3) Passage detection sensor cleaning		●				
		(4) Exit sensor cleaning		●				
5	Fixing unit	(1) Fixing drive gear 2 4014-2237-xx	1				●	
		(2) Fixing web drive motor 4027-1379-xx					●	

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspection	Lubri- cation	Replace- ment	
6	ADU	(1) Pre-registration roller 4014-2051-xx	1				●	
		(2) ADU pre-registration bearing 4014-2174-xx	2				●	
		(3) Pre-registration loop roller 4014-2050-xx	1				●	
		(4) ADU exit roller 4014-2050-xx	1				●	
		(5) ADU reversal sensor cleaning		●				
		(6) Reversal entrance section roller 4014-2070-xx	1				●	
		(7) Paper reverse/exit roller 2 4027-1343-xx	1				●	
		(8) Paper reverse/exit roller 3 4027-1341-xx	1				●	
		(9) ADU reverse roller 4027-1287-xx	1				●	
		(10) ADU horizontal conveyance roller 1 4014-2050-xx	1				●	
		(11) ADU horizontal conveyance roller 2 4014-2050-xx	1				●	
		(12) ADU pre-registration clutch 4014-2290-xx	1				●	
7	Main body	(1) Paper exit sensor cleaning		●				

Note: The Part Number supported may change in the future.

5. Periodic check (V) (Every 10,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Clean- ing	Inspection	Lubri- cation	Replace- ment	
1	Vertical conveyance section	(1) Vertical conveyance roller (middle, lower) 4027-1334-xx	2				●	
2	ADU	(1) Sensor actuator 4027-1345-xx	3				●	
		(2) Guide part/Front 4014-2056-xx	1				●	
		(3) Guide part/Rear 4014-2057-xx	1				●	
		(4) Guide part 4014-2066-xx	4				●	
3	Tray	(1) Pre-registration roller (500-sheet tray, 1000-sheet tray) 4014-1948-xx	3				●	

[4] RADF [EDH-5]

1. Periodic check (I) (Every 1,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Paper feed section	(1) Feed roller rubber 4014-1446-xx	1				●	Actual replacement count: 200 K feeds
		(2) Paper feed roller rubber 4014-1447-xx	1				●	
		(3) Double feed prevention roller rubber 4014-1448-xx	1				●	
		(4) Separation assist roller 4014-1443-xx	1				●	

Note: The Part Number supported may change in the future.

2. Periodic check (II) (Every 2,500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Paper feed section	(1) Torque limiter 4014-3136-xx	1				●	Actual replacement count: 500 K feeds

Note: The Part Number supported may change in the future.

[5] FNS [FN-115]

1. Periodic check (I) (Every 1,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Stapler unit	(1) Stapler unit 4376-1065-xx	2				●	Actual replacement count: 200 K feeds each

2. Periodic check (II) (Every 2,500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Drive unit	(1) Paper feed motor (Tray up/down unit motor) 4014-3105-xx	1				●	Actual replacement count: 2,500 K feeds

Note: When the motor is removed by CE, please remove it holding the up/down tray to paper exit with hand.

[6] FNS [FN-7]

1. Periodic check (I) (Every 1,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Stapler unit	(1) Stapler unit 4377-1034-xx	2				●	Actual replacement count: 200 K feeds each

2. Periodic check (II) (Every 2,500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Drive unit	(1) Paper feed motor (Tray up/down unit motor) 4014-3105-xx	1				●	Actual replacement count: 2,500 K feeds

Note: When the motor is removed by CE, please remove it holding the up/down tray to paper exit with hand.

[7] LCT [C-403/404]

1. Periodic check (I) (Every 1,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Inside of machine	(1) Paper feed roller 4014-3028-xx	1				●	Actual replacement count: 500 K feeds
		(2) Feed roller 4014-3029-xx	1				●	
		(3) Double feed prevention roller 4014-3028-xx	1				●	

2. Periodic check (II) (Every 3,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Inside of machine	(1) Feed clutch 4024-1028-xx	1				●	Actual replacement count: 3,000K feeds
		(2) Conveyance clutch 4024-1028-xx	1				●	

[8] PI [Cover Inserter C]

1. Periodic check (I) (Every 1,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Stapler unit	(1) Feed roller assembly/A 4014-3152-xx	3				●	Actual replacement count: 200 K feeds

[9] TU [TMG-2]

1. Periodic check (I) (Every 10,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Stapler unit	(1) Upper knife 4014-3051-xx	1				●	Actual replacement count: 500 K feeds
		(2) Lower knife 4014-3052-xx	1				●	

[10] PU [PK-3]

1. Periodic check (I) (Every 3,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Punch section	(1) Punch clutch 4014-2595-xx	1				●	Actual replacement count: 1.000K times
2	Punch scraps conveyance section	(1) Punch scraps conveyance 4014-2617-xx	1					

[11] PZ [ZK-2]

1. Periodic check (I) (Every 3,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Note
				Cleaning	Inspection	Lubrication	Replacement	
1	Punch section	(1) Punch clutch 4014-2595-xx	1				●	Actual replacement count: 1.000K times
2	Punch scraps conveyance section	(1) Punch scraps conveyance 4014-2617-xx	1					

[12] Replacement parts list

1. Main body

N o	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Maintenance (Every 500,000 copies)	Charging wire	4014-3010-xx	2	500,000		
		Charging wire unit vibration proof rubber	4014-3003-xx	2	500,000		
		Fixing cleaning web	4014-3030-xx	1	500,000		
		Separation claw	4014-3013-xx	3	500,000		
		Cleaning blade	4027-1359-xx	2	500,000		
		Fur brush	4014-3032-xx	1	500,000		
		Scattering prevention felt	4014-3020-xx	1	500,000		
		Charging control plate	4014-3009-xx	1	500,000		
		Charging wire cleaning unit	4014-3022-xx	2	500,000		
		Resin ring (φ2)	4014-1750-xx	2	500,000		
		Suction filter	4014-3014-xx	1	500,000		
		Transfer/separation wire	4014-3011-xx	3	500,000		
		Transfer wire cleaning unit	4027-1317-xx	1	500,000		
		Separation wire cleaning unit/1	4027-1318-xx	1	500,000		
		Separation wire cleaning unit/2	4027-1319-xx	1	500,000		
		Transfer/separation vibration proof rubber	4014-3012-xx	3	500,000		
		Resin ring (φ2)	4014-1750-xx	3	500,000		
1'	Maintenance (Every 750,000 copies)	Drum	—	1			
		Developer	—	1			

N o	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
2	Periodic check (I) (Every 1,000,000 cop- ies)	Paper feed roller (Tray1/500-sheet)	4014-3026-xx	1		300,000	31
		Feed roller (Tray1/500-sheet)	4014-3027-xx	1			32
		Double feed prevention roller (Tray1/500-sheet)	4014-3026-xx	1			32
		Paper feed roller (Tray2/500-sheet)	4014-3026-xx	1			36
		Feed roller (Tray2/500-sheet)	4014-3027-xx	1			37
		Double feed prevention roller (Tray2/500-sheet)	4014-3026-xx	1			37
		Paper feed roller (Tray3/1000-sheet)	4014-3028-xx	1		500,000	41
		Feed roller (Tray3/1000-sheet)	4014-3029-xx	1			42
		Double feed prevention roller (Tray3/1000-sheet)	4014-3028-xx	1			42
		Paper feed roller (bypass tray)	4014-3026-xx	1		200,000	46
		Feed roller (bypass tray)	4014-3027-xx	1			47
		Double feed prevention roller (bypass tray)	4014-3030-xx	1			47
		Fixing upper roller (upper)	4027-1431-xx	1	1,000,000		
		Fixing lower roller assembly (lower)	4027-1351-xx	1			
		Fixing claw (upper)	4014-3017-xx	6			
		Fixing claw (lower)	4014-3002-xx	2			
		Insulating sleeve (upper)	4014-3007-xx	2			
		Upper roller bearing	4014-1747-xx	2			
		Fixing cleaning sheet assembly	4027-1356-xx	1			
		Drum fixing spring	4014-1798-xx	1			
		Spring position adjusting collar	4014-1662-xx	1			

N o	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No	
3	Periodic check (II) (Every 3,000,000 cop- ies)	Drum temperature sensor	4027-1300-xx	1	3,000,000			
		Transfer/separation corona unit						
			MC only	4027-1315-xx		1		
			ME only	4027-1436-xx				
		Registration roller		4014-2038-xx		1		
		Registration bearing		4014-2172-xx		2		
		Registration loop roller		4014-3167-xx		1		
		Registration clutch		4014-2290-xx		1		
		Paper reverse/exit roller 1		4027-1286-xx		1		
		Insulating sleeve (heating roller)		4014-3005-xx		2		
		Heating roller bearing		4014-3006-xx		2		
		Temperature sensor (upper roller fault)		4014-2300-xx		1		
		Temperature sensor (heating roller fault)		4014-2302-xx		1		
		Fixing heating roller		4014-3016-xx		1		
		Exit actuator		4014-2125-xx		1		
		Heater lamp L2	MC only	4014-3035-xx		1		
			ME only	4014-3038-xx				
		Heater lamp L3	MC only	4014-3036-xx		1		
			ME only	4014-3039-xx				
		Heater lamp L4	MC only	4027-3037-xx		1		
			ME only	4014-3040-xx				
		Ozone filter 1		4014-1795-xx		2		
		Ozone filter 2		4014-1843-xx		1		
		Toner supply sleeve 1		4014-3207-xx		1		
		Toner supply sleeve 2		4014-3208-xx		1		
		4	Periodic check (III) (Every 4,500,000 cop- ies)	Feed clutch (Tray1)		4024-1028-xx	1	3,000,000
1st paper feed clutch (Tray1)	4024-1028-xx			1		34		
Feed clutch (Tray2)	4024-1028-xx			1		38		
1st paper feed clutch (Tray2)	4024-1028-xx			1		39		
Feed clutch (Tray3)	4024-1028-xx			1		43		
1st paper feed clutch (Tray3)	4024-1028-xx			1		44		

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
5	Periodic check (IV) (Every 6,000,000 copies)	Charging corona unit	4014-3022-xx	1	6,000,000		
		PCL	4014-3201-xx	1			
		Developing unit	4027-1321-xx	1			
		TSL	4014-2292-xx	1			
		Vertical conveyance clutch	4024-1028-xx	2		4,500,000	57
		Vertical conveyance roller (upper)	4014-2023-xx	1			54
		Fixing drive gear 2	4014-2237-xx	1	6,000,000		
		Fixing web drive motor	4027-1379-xx	1			
		Pre-registration roller	4014-2051-xx	1			
		ADU pre-registration bearing	4014-2174-xx	2			
		Pre-registration loop roller	4014-2050-xx	1			
		ADU exit roller	4014-2050-xx	1			
		Reversal entrance section roller	4014-2070-xx	1			
		Reverse paper exit roller 2	4027-1343-xx	1			
		Reverse paper exit roller 3	4027-1341-xx	1			
		ADU reverse roller	4027-1287-xx	1			
		ADU horizontal conveyance roller 1	4014-2050-xx	1			
		ADU horizontal conveyance roller 1	4014-2050-xx	1			
		ADU pre-registration clutch	4014-2290-xx	1			
6	Periodic check (V) (Every 10,000,000 copies)	Vertical conveyance roller (middle, lower)	4027-1334-xx	2	10,000,000		
		Sensor actuator	4027-1345-xx	3			
		Guide part/Front	4014-2056-xx	1			
		Guide part/Rear	4014-2057-xx	1			
		Guide part	4014-2066-xx	4			
		Pre-registration roller (500-sheet tray, 1000-sheet tray)	4014-1948-xx	3			

2. EDH-5

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Periodic check (I) (Every 1,000,000 copies)	Paper feed roller	4014-1446-xx	1		200,000	66
		Separation roller	4014-1447-xx	1			67
		Double feed prevention roller	4014-1448-xx	1			68
		Separation assist roller	4014-1443-xx	1			69
2	Periodic check (II) (Every 2,500,000 copies)	Torque limiter	4014-3136-xx	1		500,000	70

3. FN-7/115

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Maintenance (Every 500,000 copies)	Conveyance cleaning brush	4376-1110-xx	2	500,000		
		Paper exit roller A	4014-1055-xx	10	500,000		
		Staple cartridge for 100 sheets (FN-115)	—	2		5,000/each	Front 59 Rear 60
		Staple cartridge (FN-7)	—	2		5,000/each	Front 59 Rear 60
2	Periodic check (I) (Every 1,000,000 copies)	Stapler unit (front) FN-115	4376-1065-xx	1		200,000	59
		Stapler unit (front) FN-7	4377-1034-xx	1		200,000	59
		Stapler unit (rear) FN-115	4376-1065-xx	1		200,000	60
		Stapler unit (rear) FN-7	4377-1034-xx	1		200,000	60
3	Periodic check (II) (Every 6,000,000 copies)	Paper feed motor	4014-3105-xx	1		2,500,000	58

4. C-403/404

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Periodic check (I) (Every 1,000,000 copies)	Feed roller	4014-3028-xx	1		500,000	49
		Paper feed conveyance roller	4014-3029-xx	1		500,000	50
		Double feed prevention roller	4014-3028-xx	1		500,000	50
2	Periodic check (II) (Every 4,000,000 copies)	Feed clutch	4024-1028-xx	1		3,000,000	51
		Conveyance clutch	4024-1028-xx	1		3,000,000	52

5. Cover Inserter C

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Periodic check (I) (Every 1,000,000 copies)	Feed roller assembly/A	4014-3152-xx	3		200,000	65

6. TMG-2

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Periodic check (I) (Every 10,000,000 copies)	Upper knife	4014-3051-xx	1		500,000	86
		Lower knife	4014-3052-xx	1		500,000	86

7. PK-3

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Periodic check (I) (Every 3,000,000 copies)	Punch clutch	4014-2595-xx	1		1,000,000	87, 88, 89
		Punch scraps conveyance motor	4014-2617-xx	1		1,000,000	87, 88, 89

8. ZK-2





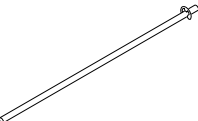
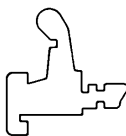

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Periodic check (I) (Every 3,000,000 copies)	Punch clutch	4014-2595-xx	1		1,000,000	87, 88, 89
		Punch scraps conveyance motor	4014-2617-xx	1		1,000,000	87, 88, 89




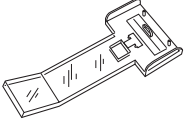
COPY MATERIALS

[1] Single unit supply

Name	Durability/copies	
Toner cartridge	60,000	
Developer	750,000	Temp: 18 to 23°C / 64.4 to 73.4°F Humid: 40 to 60% relative humidity
	1,000,000	Temp: 10 to 30°C / 50 to 86°F Humid: 10 to 80% relative humidity Continuous copy
Drum	750,000	Temp: 18 to 23°C / 64.4 to 73.4°F Humid: 40 to 60% relative humidity
	1,000,000	Temp: 10 to 30°C / 50 to 86°F Humid: 10 to 80% relative humidity Continuous copy
IMPORTANT NOTE	For optimal performance, both Starter and Drum should be changed at the same interval.	

SERVICE MATERIAL LIST

Tool No.	Tool Name	Appearance	Quantity	Remarks
4014-5001-01	Temp. sensor PS jig/A (for upper fixing roller)		1	
4014-5002-01	Temp. sensor PS jig/B (for heating roller)		1	
4014-5003-01	Thermostat PS jig/A (for upper fixing roller)		1	
4014-5004-01	Temp. sensor PS jig/B (for heating roller)		1	
4014-5005-01	Optics PS jig		2	
4014-5006-01	Door switch jig		2set	2PCS/set
4014-5007-01	Setting powder	 25 g		

Tool No.	Tool Name	Appearance	Quantity	Remarks
4014-5008-01*	PS shaft		2pc/set	For EDH positioning
4014-5010-01*	ADJ chart		1	For EDH adjustment
4014-5011-01*	White chart		1	For EDH adjustment
4014-5009-01	Stapler PS jig		1	For FN-7 adjustment