



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, toner guide roller or cleaning blade, refer to the Item removing and installing a cleaning blade.
 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 unit cleaning web, developer, and drum must reset the fixing unit cleaning web counter (using the 36 mode).
 7. When replacing a toner cartridge, wait until the toner supply LED on the operation panel flashes before the replacement.
- ⚠ Caution: Turn the main power switch (SW1) off and pull out the power plug without fail before the work of maintenance.**

SERVICE SCHEDULE

[1] Service Schedule

	Service item	Numbe of copies	×10,000 copies																				
			0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	
Main body	Maintenance	Every 250,000 copies	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Periodic check (I)	Every 500,000 copies		●		●		●		●		●		●		●	●	●		●			
	Periodic check (II)	Every 1,000,000 copies				●				●				●				●					
	Periodic check (III)	Every 2,000,0000 copies								●								●					
	Periodic check (IV)	Every 2,500,000 copies										●											
	Periodic check (V)	Every 4,000,000 copies																	●				
RADF DF-316	Maintenance	Every 250,000 copies	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Periodic check (I)	Every 500,000 copies		●		●		●		●		●		●		●		●		●			
	Periodic check (II)	Every 1,500,000 copies						●						●						●			
FNS FS-110	Maintenance	Every 250,000 copies	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Periodic check (I)	Every 1,000,000 copies				●				●				●				●					
	Periodic check (II)	Every 2,500,000 copies										●											
FNS FS-210	Maintenance	Every 250,000 copies	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Periodic check (I)	Every 1,000,000 copies				●				●				●				●					
	Periodic check (II)	Every 2,500,000 copies										●											
LCT LT-402/412	Maintenance	Every 250,000 copies	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Periodic check (I)	Every 1,000,000 copies				●				●				●				●					
	Periodic check (II)	Every 4,000,000 copies																	●				
PI PI-110	Maintenance	Every 250,000 copies	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Periodic check (I)	Every 500,000 copies		●		●		●		●		●		●		●		●		●			
	Periodic check (II)	Every 1,000,000 copies				●				●				●				●					
	Periodic check (III)	Every 3,000,000 copies												●									
PK PK-110	Maintenance	Every 250,000 copies	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

[2] Maintenance Items

1. Main body (Every 250,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Preparation	(1) Image check			●			
2	Drum unit	(1) Charging control plate 56AA2503*	1				●	
		(2) Charging wire 56AA2509*	1				●	
		(3) Charging corona unit (back plate and peripheral section, PCL)		●				Drum cleaner/ waste/blower brush
		(4) Charger cleaning base 56AA2540*	1				●	
		(5) Charger slide block 56AA2538*	1				●	
		(6) Charger cleaning block /U 56AA-253*	1				●	
		(7) Resin ring (φ 2) 45AA2040*	1				●	
		(8) Charger cleaning block /L 56AA-254*	1				●	
		(9) Drum cartridge, bottom plate of the developing unit, toner control sensor, separation claw		●				Blower brush/ cleaning pad/A drum cleaner is used only when cleaning a toner control sensor.
		(10) Toner collection screw A		●				Blower brush/ cleaning pad
		(11) Toner guide roller 56AA-213*	1				●	
		(12) Cleaning blade (36 mode blade setting mode) 56AA2010*	1				●	
3	Developing unit	(1) Developing bias armature		●				Blower brush/ cleaning pad
		(2) Developer (25 mode counter resetting)	1				●	
		(3) Developing unit		●				Blower brush/ cleaning pad

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Cleaning	Inspection	Lubrication	Replacement	
4	Transfer/separation corona	(1) Transfer separation corona unit (front and rear block), guide rail, separation bridge, entrance guide plate, lightning protection sheet, back plate		●				Blower brush/cleaning pad/cotton swab/drum cleaner
		(2) Discharge wire 56AA2609*	3				●	
		(3) Transfer cleaning assembly 56AA-264*	1				●	
		(4) Separation cleaning assembly 56AA-267*	1				●	
		(5) Resin ring (φ2) 45AA2040*	2				●	
		(6) Transfer presser rubber 55VA2615*	3				●	
5	Toner supply	(1) Cartridge holder member		●				Cleaning pad
6	Conveyance unit	(1) Conveyance section upper surface		●				Drum cleaner/cleaning pad
		(2) Conveyance belt		●				Drum cleaner/cleaning pad
		(3) TSL cover member		●				Drum cleaner/cleaning pad
7	Registration	(1) Paper dust removing brush		●				Cleaning pad/blower brush
		(2) 2nd paper feed roller		●				Drum cleaner/cleaning pad
8	Drive section and filter	(1) Ozone filter K 55FA7301*	1				●	
		(2) Developing suction filter 56AA-735*	1				●	
9	Paper exit unit	(1) Sensor (one section)		●				Blower brush
		(2) Roller (two sections)		●				Drum cleaner/cleaning pad
10	ADU	(1) Roller cleaning		●				Drum cleaner/cleaning pad
		(2) Reverse/exit roller		●				Drum cleaner/cleaning pad
		(3) ADU reverse roller		●				Drum cleaner/cleaning pad
		(4) ADU conveyance roller /1-4		●				Drum cleaner/cleaning pad
		(5) ADU registration roller		●				Drum cleaner/cleaning pad
		(6) Sensors		●				Blower brush
		(7) Gate sensor (two points)		●				Blower brush
		(8) ADU horizontal conveyance sections (four points)		●				Blower brush
		(9) ADU reverse section (one point)		●				Blower brush

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replac-ement	
10	ADU	(10) Gears				●		Plus guard No. 2
11	Paper feed section	(1) Sensor (three points/tray)		●				Blower brush
		(2) Gears (double feed prevention section)				●		Plus guard No.2
		(3) Conveyance/driven roller (paper feed)		●				Drum cleaner/cleaning pad
		(4) Feed roller/paper feed conveyance roller		●				Drum cleaner/cleaning pad
		(5) Double feed prevention roller		●				Drum cleaner/cleaning pad
12	By-pass feed section	(1) Sensor (four points)		●				Blower brush
		(2) Gears				●		Plus guard No.2
		(3) Section peripheral of the by-pass feed unit		●				Drum cleaner/cleaning pad
		(4) Feed roller/paper conveyance roller		●				Drum cleaner/cleaning pad
		(5) Double feed prevention roller		●				Drum cleaner/cleaning pad
13	Scanner section	(1) Original glass (including slit glass)		●				Drum cleaner/cleaning pad
		(2) Exposure lamp		●				Blower brush
		(3) Reflector		●				Cleaning pad
		(4) Lens		●				Blower brush/cleaning pad
		(5) 1st to 3rd mirrors		●				Blower brush/cleaning pad
		(6) APS sensor		●				Blower brush
		(7) Photo interrupter		●				Blower brush
		(8) Optical guide rail		●				Cleaning pad
14	Writing section	(1) Dust-proof glass (external)			●			Blower brush/cleaning pad
15	Fixing unit	(1) Fixing upper roller		●				Roller cleaner/cleaning pad
		(2) Fixing lower roller		●				Roller cleaner/cleaning pad
		(3) Fixing claw (L)		●				Drum cleaner/cleaning pad
		(4) Paper exit roller		●				Drum cleaner/cleaning pad
		(5) Paper exit conveyance roller (right) and guide rib		●				Drum cleaner/cleaning pad
		(6) Fixing unit entrance and exit guide plate		●				Drum cleaner/cleaning pad

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
15	Fixing unit	(7) Fixing temperature sensor /2		●				Blower brush/ paper
		(8) Decurler		●				Cleaning pad
		(9) Fixing gear				●		Moly therm grease
		(10) Fixing web unit (25 mode counter resetting) 56AA-543*	1				●	
		(11) Fixing claw (U) 56AA5427*	6				●	
		(12) Heat insulating sleeve				●		Tri-flow
16	Vertical conveyance	(1) Horizontal conveyance roller	2	●				Drum cleaner/ cleaning pad
		(2) Sensor	5	●				Blower brush
17	Final check	(1) W.U.T. check			●			
		(2) Peripheral and exterior cleaning		●				Drum cleaner/ cleaning pad
		(3) Image and paper through check			●			
		(4) PMcounter resetting (25 mode)			●			

2. RADF [DF-316](Every 250,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replac-ement	
1	Preparation	(1) Paper through check			●			
2	Paper feed section	(1) Size detection sensor/1	1	●				Blower brush
		(2) Size detection sensor/2	1	●				Blower brush
		(3) Registration sensor	1	●				Blower brush
		(4) Feed roller	1	●				Drum cleaner/cleaning pad
		(5) Paper feed roller rubber	1	●				Drum cleaner/cleaning pad
		(6) Double feed prevention roller rubber	1	●				Drum cleaner/cleaning pad
		(7) Cleaning pad	1	●				Blower brush
		(8) Registration roller	1	●				Drum cleaner/cleaning pad
3	Conveyance section	(1) Read sensor	1	●				Blower brush
		(2) Skew sensor (F)	1	●				Blower brush
		(3) Skew sensor (R)	1	●				Blower brush
		(4) Double side registration sensor	1	●				Blower brush
		(5) Read roller (F)	1	●				Drum cleaner/cleaning pad
		(6) Read roller (R)	1	●				Drum cleaner/cleaning pad
		(7) Platen guide	1	●				Drum cleaner/cleaning pad
		(8) Reverse conveyance roller/1	1	●				Drum cleaner/cleaning pad
		(9) Reverse conveyance roller/2	1	●				Drum cleaner/cleaning pad
4	Paper exit section	(1) Paper exit roller	1	●				Drum cleaner/cleaning pad
5	Final check	(1) Paper through check			●			
		(2) Exterior cleaning		●				Drum cleaner/cleaning pad

3. FNS [FS-110] (Every 250,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Preparation	(1) Paper through check			●			
2	Conveyance section	(1) Conveyance roller		●				Drum cleaner/cleaning pad
		(2) Paper exit roller/A (sponge roller) 122H4825*	10				●	
		(3) Conveyance roller/4 (sponge roller) 13QE4531*	4				●	
3	Drive section	(1) Main drive unit			●	(●)		Plus guard No. 2 *1
		(2) Tray up/down unit			●	(●)		Plus guard No. 2 *1
		(3) Shift drive unit			●	(●)		Plus guard No. 2 *1
		(4) Paper exit drive unit			●	(●)		Plus guard No. 2 *1
		(5) Staple unit			●	(●)		Plus guard No. 2 *1
4	Stapler unit	(1) Staple cartridge 12QRK001*	2		●		(●)	5,000 staples/cartridge replace as necessary
5	Exterior	(1) Exterior cleaning		●			(●)	Drum cleaner/cleaning pad *2
6	Final check	(1) Paper through check			●			Stapler positioning jig *3

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

*2 Clean the edge of the sponge roller at the left side.

*3 Check to see that the upper and lower positions are properly set.

4. FNS [FS-210BM] (Every 250,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Cleaning	Inspection	Lubrication	Replacement	
1	Preparation	(1) Paper through check			●			
2	Conveyance section	(1) Conveyance roller		●				Drum cleaner/cleaning pad
		(2) Paper exit roller/A (sponge) 122H4825*	10				●	
		(3) Conveyance roller/4 (sponge) 13QE4531*	4				●	
3	Drive section	(1) Main drive unit			●	(●)		Plus guard No. 2 *1
		(2) Tray up/down unit			●	(●)		Plus guard No. 2 *1
		(3) Shift drive unit			●	(●)		Plus guard No. 2 *1
		(4) Paper exit drive unit			●	(●)		Plus guard No. 2 *1
		(5) Staple unit			●	(●)		Plus guard No. 2 *1
		(6) Folding unit			●	(●)		Plus guard No. 2 *1
4	Folding unit	(1) Folding roller		●				
5	Stapler unit	(1) Staple cartridge 12QRK001*	2		●		(●)	5,000 staples/cartridge replace as necessary
6	Exterior	(1) Exterior cleaning		●				Drum cleaner/cleaning pad *2
7	Final check	(1) Paper through check			●			Stapler positioning jig *3

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

*2 Clean the edge of the sponge roller at the left side.

*3 Check to see that the upper and lower positions are properly set.

5. LCT [LT-402/412](Every 250,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Preparation	(1) Paper through check			●			
2	Inside of machine	(1) Sensors		●				Blower brush
		(2) Gears				●		Plus guard No. 2
		(3) Conveyance roller/driven roller		●				Drum cleaner/cleaning pad
		(4) Feed roller		●				Drum cleaner/cleaning pad
		(5) Paper feed conveyance roller		●				Drum cleaner/cleaning pad
		(6) Double feed prevention roller		●				Drum cleaner/cleaning pad
3	Final check	(1) Paper through check			●			
		(2) Exterior cleaning		●				Drum cleaner/cleaning pad

6. PI-110(Every 250,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Conveyance section	(1) Conveyance roller		●				Drum cleaner/cleaning pad
2	Paper feed section	(1) Feed roller		●		(●)		Drum cleaner/cleaning pad *1
		(2) Paper feed conveyance roller		●		(●)		Drum cleaner/cleaning pad *1
		(3) Double feed prevention roller		●		(●)		Drum cleaner/cleaning pad *1
3	Final check	(1) Paper through check			●			
		(2) Exterior cleaning		●				Drum cleaner/cleaning pad

*1 If abnormal sound is heard due to insufficient oil, lubricate it {Plus guard No.2}.

7. PK-110(Every 250,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Punch unit main body	(1) Punch die		●				Blower brush
2	Punch dust collection section	(1) Punch dust box (for punch dust dump)		●				Drum cleaner/cleaning pad
		(2) Punch dust detection sensor		●				Drum cleaner/cleaning pad
3	Final check	(1) Paper through check			●			
		(2) Internal cleaning		●				Drum cleaner/cleaning pad

[3] Main Body Periodic Inspection Items

1. Periodic check (I) (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replac-ement	
1	Fixing unit	(1) Fixing roller (U) 56AA5305*	1				●	
		(2) Heat insulating sleeve (U) 45405339*	2			●	●	Apply Tri flow oil when replacing the sleeve.
		(3) Upper roller bearing 45407504*	2				●	
		(4) Fixing roller (L) 56AA5306*	1				●	
		(5) Fixing claw (L) 25BA5333*	3				●	
		(6) Fixing rolling bearing 25SA7603*	2				●	
2	Drum unit	(1) Drum separation claw 56AA2070*	3				●	
		(2) Drum replacement (25 mode counter resetting)	1				●	
3	Paper feed unit	(1) Paper feed conveyance roller rubber 25SA4096*	3				●	Actual replacement count: 125 K feeds
		(2) Double feed prevention roller rubber 25SA4096*	3				●	
4	By-pass feed unit	(1) Conveyance roller rubber (by-pass feed) 54004056*	1				●	Actual replacement count: 70 K feeds
		(3) Double feed prevention roller rubber (manual feed) 54004056*	1				●	

2. Periodic check (II) (Every 1,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replac-ement	
1	Paper feed unit	(1) Paper feed roller rubber A 55FA-411*	3				●	Actual replacement count: 800 K feeds
2	By-pass feed unit	(1) Paper feed roller rubber (manual feed) 55FA4233*	1				●	Actual replacement count: 140 K feeds
3	Fixing unit	(1) Fixing lamp/1 56A*8703*	1				●	
		(2) Fixing lamp/2 56A*8304*	1				●	
		(3) Fixing lamp/3 56A*8305*	1				●	
		(4) Decurler roller 56AA5307*	1				●	
		(5) ADU conveyance bearing 25SA7504*	2				●	
		(6) Bearing/1 07AA7509*	2				●	
4	Drive unit	(1) Fixing drive gear 25BA7726*	1				●	

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

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Cleaning	Inspection	Lubrication	Replacement	
1	Drum unit	(1) Drum separation claw solenoid 26NA8251*	1				●	
2	Paper feed drive unit	(1) Vertical conveyance clutch/ 1,2 56AA8201*	2				●	Actual replacement count: 2 million feeds
3	Second paper feed unit	(1) 2nd paper feed clutch 56AA8201*	1				●	
4	Transfer/separation corona unit	(1) Transfer/separation corona unit 56AA-260*	1				●	

4. Periodic check (IV) (Every 2,500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Cleaning	Inspection	Lubrication	Replacement	
1	Drum unit	(1) Toner control board unit 56AA-910*	1				●	
2	Charging corona unit	(1) Charging corona unit (including PCL) 56AA-250*	1				●	
3	2nd paper feed unit	(1) TSL 56AA8307*	1				●	
		(2) Drum driving bearing 08AA7601*	2				●	
		(3) Registration roller (U) 56AA4603*	1				●	
4	Developing unit	(1) Developing unit 56AA-300*	1				●	
5	Fixing unit	(1) Upper roller error detection sensor 56AA8804*	1				●	
6	ADU	(1) Registration shaft (L) 55GA7551*	2				●	
		(2) Registration shaft (U) 55GA7552*	2				●	
		(3) ADU registration roller (U) 56AA5111*	1				●	
		(4) ADU registration roller (L) 56AA5112*	1				●	
7	Conveyance unit	(1) TSL cover assembly 56AA-387*	1				●	

5. Periodic check (V) (Every 4,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Cleaning	Inspection	Lubrication	Replacement	
1	Paper feed section	(1) Paper feed clutch (tray 1 to 3) 56AA8201*	3				●	Actual replacement count: 2 million feeds
		(2) Conveyance clutch (tray 1 to 3) 56AA8201*	3				●	

[4] RADF [DF-316]

1. Periodic check (I) (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Paper feed section	(1) Feed roller rubber 13QA4127*	1				●	Actual replacement count: 200 K feeds
		(2) Paper feed roller rubber 13QA4104*	1				●	
		(3) Double feed prevention roller rubber 13QA4045*	1				●	

2. Periodic check (II) (Every 1,500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Paper feed section	(1) Double feed prevention roller 13QA4001*	1				●	Actual replacement count: 600 K feeds

[5] FNS [FS-110]

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

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Stapler unit	(1) Stapler unit 13QE4241*	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				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Drive unit	(1) FNS up/down motor 13QE-115*	1				●	Actual replacement count: 2.5 million feeds

[6] FNS [FS-210]

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

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Stapler unit	(1) Stapler unit 13QE4241*	2				●	Actual replacement count: 200 K staples each

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

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Drive unit	(1) FNS up/down motor 13QE-115*	1				●	Actual replacement count: 2.5 million feeds

[7] LCT [LT-402/412]

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

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Inside of machine	(1) Feed roller 55VA-484*	1				●	Actual replacement count: 500 K feeds each
		(2) Paper feed conveyance roller 55VA-483*	1				●	
		(3) Double feed prevention roller 55VA-483*	1				●	

2. Periodic check (II) (Every 4,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Inside of machine	(1) Feed clutch 56AA8201*	1				●	Actual replacement count: 2 million feeds
		(2) Conveyance clutch 56AA8201*	1				●	

[8] PI [PI-110]

1. Periodic check (I) (Every 500,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Paper feed section	(1) Feed roller assembly/B 50BA-575*	2				●	Actual replacement count: 100 K feeds
		(2) Double feed prevention roller assembly 13QN-443*	2				●	

2. Periodic check (II) (Every 1,000,000 copies)

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Paper feed section	(1) Feed roller assembly/A 50BA-574*	2				●	Actual replacement count: 200 K feeds each

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

NO	Classification	Service item	Number of parts replaced	Implementation classification				Materials/tools used
				Clea-ning	Inspe-ction	Lubric-ation	Replace-ment	
1	Paper feed section	(1) Torque limiter 13QN4073*	2				●	Actual replacement count: 600 K feeds

[9] Replacement parts list**1. Main body**

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Maintenance (Every 250,000 copies)	Charging control plate	56AA2503*	1	250,000		6
		Charging wire	56AA2509*	1	250,000		22
		Charger cleaning base	56AA2540*	1	250,000		
		Charger slide block	56AA2538*	1	250,000		
		Charger cleaning block /U	56AA-253*	1	250,000		7
		Resin ring (φ2) (charging corona)	45AA2040*	1	250,000		
		Charger cleaning block /L	56AA-254*	1	250,000		8
		Toner guide roller	56AA-213*	1	250,000		5
		Cleaning blade	56AA2010*	1	250,000		4
		Developer	-	1	250,000		2
		Discharge wire	56AA2609*	3	250,000		10
		Transfer cleaning assembly	56AA-264*	1	250,000		11
		Separation cleaning assembly	56AA-267*	1	250,000		21
		Resin ring (φ2) (transfer/separation corona unit)	45AA2040*	2	250,000		
		Ozone filter K	55FA7301*	1	250,000		24
		Developing suction filter	56AA-735*	1	250,000		
		Fixing web unit	56AA-543*	1	250,000		1
		Fixing claw /U	56AA5427*	6	250,000		14
		Transfer presser rubber	55VA2615*	3	250,000		
2	Periodic check (I) (Every 500,000 copies)	Fixing roller /U	56AA5305*	1	500,000		12
		Insulating sleeve /U	45405339*	2	500,000		16
		Upper roller bearing	45407504*	2	500,000		17
		Fixing roller /L	56AA5306*	1	500,000		13
		Fixing claw /L	25BA5333*	3	500,000		15
		Fixing rolling bearing	25SA7603*	2	500,000		
		Drum separation claw	56AA2070*	3	500,000		9
		Drum	-	1	500,000		3
		Paper feed conveyance roller rubber (Tray 1 to 3)	25SA4096*	3		125,000	30,35,40
		Double feed prevention roller rubber (Tray 1 to 3)	25SA4096*	3		125,000	30,35,40
		Paper feed conveyance roller rubber (by-pass feed)	54004056*	1		70,000	50
		Double feed prevention roller rubber (by-pass feed)	54004056*	1		70,000	50

SERVICE SCHEDULE

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
3	Periodic check (II) (Every 1,000,000 copies)	Paper feed roller rubber/A (Tray 1 to 3)	55FA-411*	3		800,000	29,34,39
		Paper feed rubber (by-pass feed)	55FA4233*	1		140,000	49
		Fixing lamp/1	56A*8703*	1	1,000,000		
		Fixing lamp/2	56A*8704*	1	1,000,000		
		Fixing lamp/3	56A*8705*	1	1,000,000		
	Decurler	Decurler roller	56AA5307*	1	1,000,000		
		ADU conveyance bearing	25SA7504*	2	1,000,000		
		Bearing/1	07AA7509*	2	1,000,000		
		Fixing drive gear	25BA7726*	1	1,000,000		
4	Periodic check (III) (Every 2,000,000 copies)	Drum separation claw solenoid	26NA8251*	1	2,000,000		103
		Vertical conveyance clutch/1,2	56AA8201*	2		2,000,000	61,62
		2nd paper feed clutch	56AA8201*	1	2,000,000		64
		Transfer/separation corona unit	56AA-260*	1	2,000,000		20
5	Periodic check (IV) (Every 2,500,000 copies)	Toner control board unit	56AA-910*	1	2,500,000		19
		Charging unit (including PCL)	56AA-250*	1	2,500,000		25
		TSL	56AA8703*	1	2,500,000		
		Drum drive bearing	08AA7601*	2	2,500,000		
		Registration roller /U	56AA4603*	1	2,500,000		
		Developing unit	56AA-300*	1	2,500,000		27
		Upper roller error detection sensor	56AA8804*	1	2,500,000		23
		Registration bearing /L	55GA7551*	2	2,500,000		
		Registration bearing /U	55GA7552*	2	2,500,000		
		ADU registration roller /U	56AA5111*	1	2,500,000		
		ADU registration roller /L	56AA5112*	1	2,500,000		
		TSL cover assembly	56AA-387*	1	2,500,000		28
6	Periodic check (V) (Every 4,000,000 copies)	Paper feed clutch (Tray 1 to 3)	56AA8201*	3		2,000,000	31,36,41
		Conveyance clutch (Tray 1 to 3)	56AA8201*	3		2,000,000	32,37,42

2. DF-316

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Periodic replacement (I) (Every 500,000 copies)	Feed roller rubber	13QA4127*	1		200,000	92
		Paper feed roller	13QA4104*	1		200,000	93
		Double feed prevention roller rubber	13QA4045*	1		200,000	94
2	Periodic replacement (II) (Every 1,500,000 copies)	Double feed prevention roller	13QA4001*	1		600,000	95

3. FS-110/210

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Maintenance (Every 250,000 copies)	Paper exit roller A (sponge roller)	122H4825*	10	250,000		
		Conveyance roller 4 (sponge roller)	13QE4531*	4	250,000		
		Staple cartridge	12QRK001*	2		5,000/each	
2	Periodic check (I) (Every 1,000,000 copies)	Stapler unit (front)	13QE4241*	1		200,000	70
		Stapler unit (rear)	13QE4241*	1		200,000	71
3	Periodic check (II) (Every 2,500,000 copies)	FNS up/down motor	13QE-115*	1		2,500,000	69

4. LT-402/412

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	55VA-484*	1		500,000	52
		Paper feed conveyance roller	55VA-483*	1		500,000	53
		Double feed prevention roller	55VA-483*	1		500,000	53
2	Periodic check (II) (Every 4,000,000 copies)	Paper feed clutch	56AA8201*	1		2,000,000	54
		Conveyance clutch	56AA8201*	1		2,000,000	55

5. PI-110

No	Classification	Parts name	Parts No.	Qty	Total count	Actual count	Parts count No.
1	Periodic check (I) (Every 500,000 copies)	Feed roller assembly/B	50BA-575*	2		100,000	79
		Double feed prevention roller assembly	13QN-443*	2		100,000	80
2	Periodic check (II) (Every 1,000,000 copies)	Feed roller assembly/A	50BA-574*	2		200,000	78
3	Periodic check (II) (Every 3,000,000 copies)	Torque limiter (U and L)	13QN4073*	2		600,000	81,86

[10] Important maintenance parts

- The important parts specified by Konica in order to maintain safety of the products are referred to as "important maintenance parts". The important maintenance parts for this machine are as described below:

No.	Unit classification	Parts name	Parts No	Qty
1	Fixing unit	Thermostat/U	SP00-0020	1
2		Thermostat/L	SP00-0010	1

- "SP" is indicated in front of the parts number of the important maintenance parts. Exercise care when installing the parts according to "3. Directions for disassembly and assembly" in this manual.

COPY MATERIALS

[1] Single unit supply






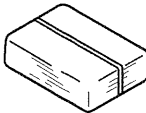
Name	Durability/copies
Toner cartridge	43,000
Developer	250,000
Drum	500,000

[2] Maintenance kit

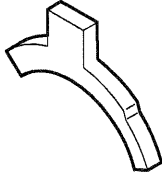
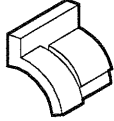
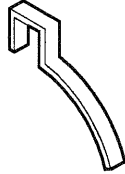
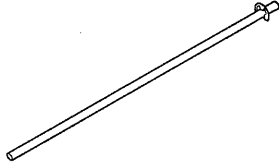
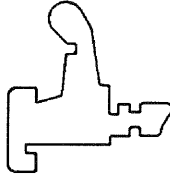
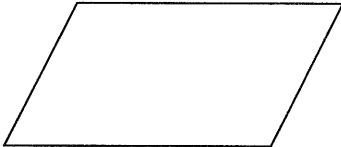
1. 250,000 copies/kit

Name	Parts No.	Qty
Charging control plate	56AA2503*	1
Charging wire	56AA2509*	1
Charging cleaning base	56AA2540*	1
Charging slide block	56AA2538*	1
Charging wire cleaning block/U	56AA-253*	1
Resin ring (φ2) (charging corona. transfer/separation corona)	45AA2040*	3
Charging wire cleaning block (L)	56AA-254*	1
Toner guide roller	56AA-213*	1
Cleaning blade	56AA2010*	1
Discharging wire	56AA2609*	3
Transfer cleaning assembly	56AA-264*	1
Separation cleaning assembly	56AA-267*	1
Transfer/Separation vibration proof rubber	55VA2615*	3
Ozone filter K	55FA7301*	1
Developing suction filter	56AA-735*	1
Fixing web unit	56AA-543*	1
Fixing claw /U	56AA5427*	6
Cleaning pad (10 pcs)	-	5
Polyethylene gloves	-	1
Dust bag (rubber band)	-	1
Developer collection sheet (rubber band)	-	1
Hand case for collection	-	1
Cotton swabs (4 pcs)	-	2

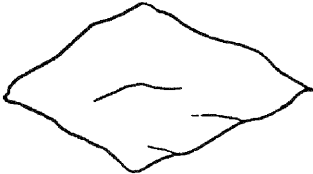
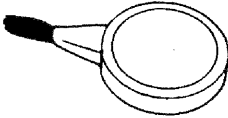
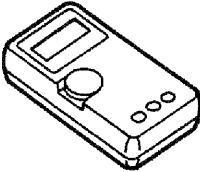
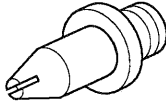
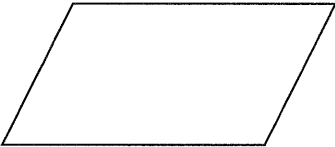
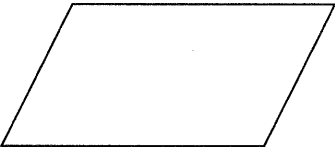
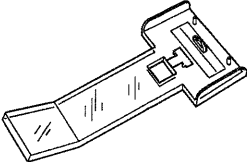
SERVICE MATERIAL LIST

Material No.	Material Name	Appearance	Remarks
000V-16-0	Drum cleaner	 200 ml	
000V-17-0	Roller cleaner	 200 ml	
00GR00020	Plas guard No.2	 25 g	
00GR00150	Molytherm grease	 25 g	
000V-19-0	Setting powder	 25 g	
000V-18-0	Cleaning pad	 10 pc 1 pack	

SERVICE MATERIAL LIST

Tool No.	Tool Name	Appearance	Quantity	Remarks
00M8-1-00	Thermostat PS jig(for upper roller)		1	
56AEJG011	Thermostat PS jig(for lower roller)		1	
7050K0010	Temp. detection jig		1	
7050K0020	Optics PS jig		2	
00M6-2-00	Door switch jig		2set	2PCS/set
00VD-5000	New pyramid chart		1	

SERVICE MATERIAL LIST

Tool No.	Tool Name	Appearance	Quantity	Remarks
00VC-2-00	Drum cover		1	
00VD-1000	Blower brush		1	
00VE-1003	Tester		1	
120A1052*	PS shaft		2pc/set	For DF-316 positioning
120A9711*	ADJ chart		1	For DF-316 adjustment
120A9712*	White chart		1	For DF-316 adjustment
129XJG011	Stapler PS jig		1	For FS-110/ FS-210 adjustment