

Konica

SERVICE MANUAL

Models

7020/7022/7025/7030

7035/7130/7135

OCTOBER 2002

CSM-7135

KONICA BUSINESS TECHNOLOGIES, INC.

7020/7022/7025/7030
7035/7130/7135
SERVICE MANUAL

OCTOBER 2002

IMPORTANT NOTICE

Because of the possible hazards to an inexperienced person servicing this equipment, as well as the risk of damage to the equipment, Konica Business Technologies strongly recommends that all servicing be performed by Konica-trained service technicians only.

Changes may have been made to this equipment to improve its performance after this service manual was printed. Accordingly, Konica Business Technologies, Inc., makes no representations or warranties, either expressed or implied, that the information contained in this service manual is complete or accurate. It is understood that the user of this manual must assume all risks or personal injury and/or damage to the equipment while servicing the equipment for which this service manual is intended.

Corporate Publications Department

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SAFETY AND IMPORTANT WARNING ITEMS

Read carefully the Safety and Important Warning Items described below to understand them before doing service work.

IMPORTANT NOTICE

Because of possible hazards to an inexperienced person servicing this copier as well as the risk of damage to the copier, Konica Corporation strongly recommends that all servicing be performed only by Konica-trained service technicians.

Changes may have been made to this copier to improve its performance after this Service Handbook was printed. Accordingly, Konica Corporation does not warrant, either explicitly or implicitly, that the information contained in this Service Handbook is complete and accurate.

The user of this Service Handbook must assume all risks of personal injury and/or damage to the copier while servicing the copier for which this Service Handbook is intended.

Therefore, this Service Handbook must be carefully read before doing service work both in the course of technical training and even after that, for performing maintenance and control of the copier properly.




Keep this Service Handbook also for future service.

When it is impossible to read the description about safety and warning (due to contamination or tear), the relevant page should be replaced.


DESCRIPTION ITEMS FOR DANGER, WARNING AND CAUTION

In this Service Handbook, each of three expressions, “⚠ DANGER,” “⚠ WARNING,” and “⚠ CAUTION” is defined as follows together with a symbol mark to be used in a limited meaning.


When servicing the copier, the relevant works (disassembling, reassembling, adjustment, repair, maintenance, etc.) need to be conducted with utmost care.

-  **DANGER** : Actions having a high possibility of suffering death or serious injury
-  **WARNING** : Actions having a possibility of suffering death or serious injury
-  **CAUTION** : Actions having a possibility of suffering a slight wound, medium trouble, and property damage

Symbols used for safety and important warning items are defined as follows:

 : Precaution when using the copier.

 : Prohibition when using the copier.

 : Direction when using the copier.

 General precaution

 General prohibition

 General instruction

 Electric hazard

 Do not touch with wet hand

 Unplug

 High temperature

 Do not disassemble

 Ground/Earth


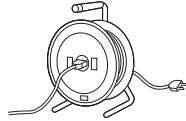

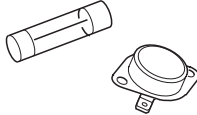

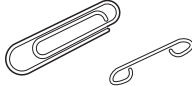

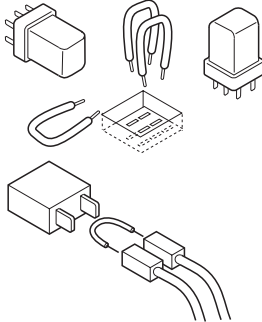



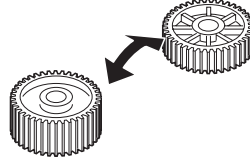
SAFETY WARNINGS

[1] MODIFICATIONS NOT AUTHORIZED BY KONICA

Konica copiers are renowned for their high reliability. This reliability is achieved through high-quality design and a solid service network.

Copier design is a highly complicated and delicate process where numerous mechanical, physical, and electrical aspects have to be taken into consideration, with the aim of arriving at proper tolerances and safety factors. For this reason, unauthorized modifications involve a high risk of degradation in performance and safety. Such modifications are therefore strictly prohibited. The points listed below are not exhaustive, but they illustrate the reasoning behind this policy.




DANGER : PROHIBITED ACTIONS

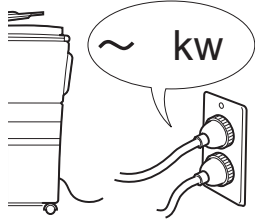
<ul style="list-style-type: none"> Using any cables or power cord not specified by Konica. 		
<ul style="list-style-type: none"> Using any fuse or thermostat not specified by Konica. Safety will not be assured, leading to a risk of fire and injury. 		
<ul style="list-style-type: none"> Disabling fuse functions or bridging fuse terminals with wire, metal clips, solder or similar object. 		
<ul style="list-style-type: none"> Disabling relay functions (such as wedging paper between relay contacts) 		
<ul style="list-style-type: none"> Disabling safety functions (interlocks, safety circuits, etc.) Safety will not be assured, leading to a risk of fire and injury. 		
<ul style="list-style-type: none"> Making any modification to the copier unless instructed by Konica 		
<ul style="list-style-type: none"> Using parts not specified by Konica 		






[2] CHECKPOINTS WHEN PERFORMING ON-SITE SERVICE

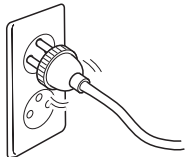
Konica copiers are extensively tested before shipping, to ensure that all applicable safety standards are met, in order to protect the customer and customer engineer (hereafter called the CE) from the risk of injury. However, in daily use, any electrical equipment may be subject to parts wear and eventual failure. In order to maintain safety and reliability, the CE must perform regular safety checks.

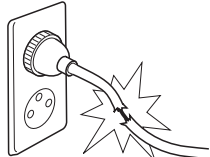
1. Power Supply

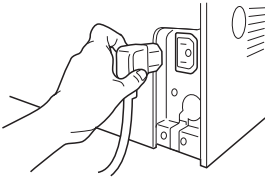
 WARNING: Wall Outlet	
<ul style="list-style-type: none"> • Check that mains voltage is as specified. Plug the power cord into the dedicated wall outlet with a capacity greater than the maximum power consumption. If excessive current flows in the wall outlet, fire may result. 	
<ul style="list-style-type: none"> • If two or more power cords can be plugged into the wall outlet, the total load must not exceed the rating of the wall outlet. If excessive current flows in the wall outlet, fire may result. 	

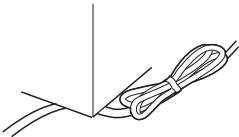


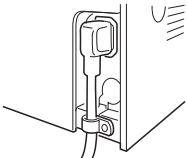
 WARNING: Power Plug and Cord	
<ul style="list-style-type: none"> • Make sure the power cord is plugged in the wall outlet securely. Contact problems may lead to increased resistance, overheating, and the risk of fire. 	
<ul style="list-style-type: none"> • Check whether the power cord is damaged. Check whether the sheath is damaged. If the power plug, cord, or sheath is damaged, replace with a new power cord (with plugs on both ends) specified by Konica. Using the damaged power cord may result in fire or electric shock. 	
<ul style="list-style-type: none"> • When using the power cord (inlet type) that came with this copier, be sure to observe the following precautions: <ol style="list-style-type: none"> a. Make sure the copier-side power plug is securely inserted in the socket on the rear panel of the copier. Secure the cord with a fixture properly. b. If the power cord or sheath is damaged, replace with a new power cord (with plugs on both ends) specified by Konica. If the power cord (inlet type) is not connected to the copier securely, a contact problem may lead to increased resistance, overheating, and risk of fire. 	
<ul style="list-style-type: none"> • Check whether the power cord is not stepped on or pinched by a table and so on. Overheating may occur there, leading to a risk of fire. 	





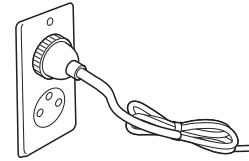




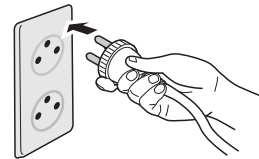


⚠ WARNING: Power Plug and Cord

- Do not bundle or tie the power cord.
Overheating may occur there, leading to a risk of fire.



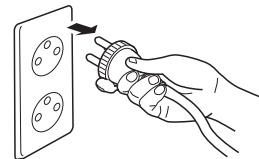
- Check whether dust is collected around the power plug and wall outlet.
Using the power plug and wall outlet without removing dust may result in fire.



- Do not insert the power plug into the wall outlet with a wet hand.
The risk of electric shock exists.

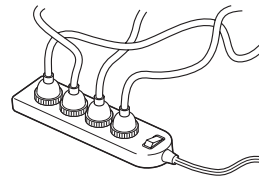


- When unplugging the power cord, grasp the plug, not the cable.
The cable may be broken, leading to a risk of fire and electric shock.

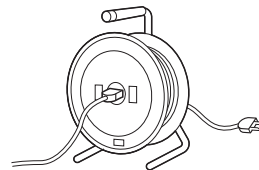


⚠ WARNING: Wiring

- Never use multi-plug adapters to plug multiple power cords in the same outlet.
If used, the risk of fire exists.

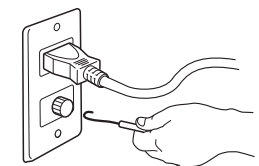


- When an extension cord is required, use a specified one.
Current that can flow in the extension cord is limited, so using a too long extension cord may result in fire.
Do not use an extension cable reel with the cable taken up. Fire may result.



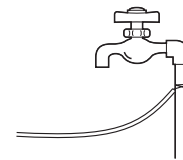
⚠ WARNING: Ground Lead

- Check whether the copier is grounded properly.
If current leakage occurs in an ungrounded copier, you may suffer electric shock while operating the copier. Connect the ground lead to one of the following points:
 - a. Ground terminal of wall outlet
 - b. Ground terminal for which Class D work has been done



! WARNING: Ground Lead

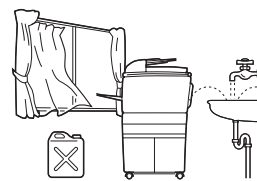
- Pay attention to the point to which the ground lead is connected. Connecting the ground lead to an improper point such as the points listed below results in a risk of explosion and electric shock:
 - a. Gas pipe (A risk of explosion or fire exists.)
 - b. Lightning rod (A risk of electric shock or fire exists.)
 - c. Telephone line ground (A risk of electric shock or fire exists in the case of lightning.)
 - d. Water pipe or faucet (It may include a plastic portion.)



2. Installation Requirements

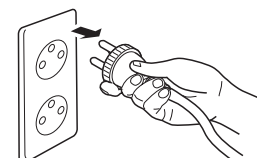
! WARNING: Prohibited Installation Place

- Do not place the copier near flammable materials such as curtains or volatile materials that may catch fire. A risk of fire exists.
- Do not place the copier in a place exposed to water such as rain water. A risk of fire and electric shock exists.



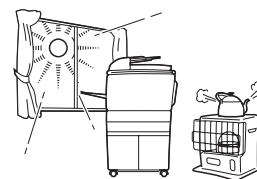
! WARNING: Nonoperational Handling

- When the copier is not used over an extended period of time (holidays, etc.), switch it off and unplug the power cord. Dust collected around the power plug and outlet may cause fire.



! CAUTION: Temperature and Humidity

- Do not place the copier in a place exposed to direct sunlight or near a heat source such as a heater. A risk of degradation in copier performance or deformation exists. Do not place the copier in a place exposed to cool wind. Recommended temperature and humidity are as follows:
 Temperature: 10°C to 30°C
 Humidity: 10% to 80% (no dew condensation)
 Avoid other environments as much as possible.



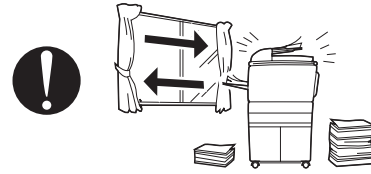
! CAUTION: Ventilation

- Do not place the copier in a place where there is much dust, cigarette smoke, or ammonia gas. Place the copier in a well ventilated place to prevent machine problems and image faults.



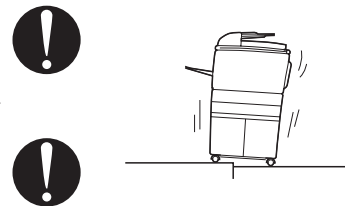
! CAUTION: Ventilation

- The copier generates ozone gas during operation, but it is not sufficient to be harmful to the human body.
If a bad smell of ozone is present in the following cases, ventilate the room.
 - a. When the copier is used in a poorly ventilated room
 - b. When taking a lot of copies
 - c. When using multiple copiers at the same time



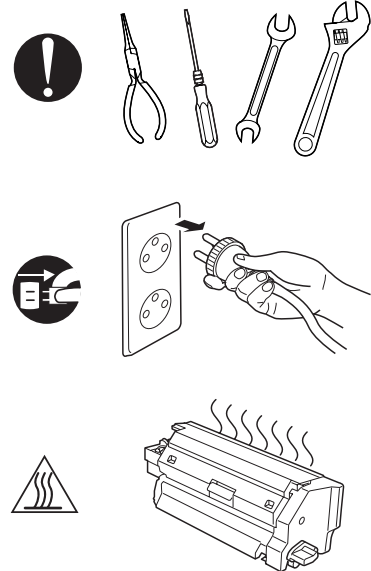
! CAUTION: Vibration

- When installing the copier, read the Installation Guide thoroughly. Be sure to install the copier in a level and sturdy place.
Constant vibration will cause problems.
- Be sure to lock the caster stoppers.
In the case of an earthquake and so on, the copier may slide, leading to a injury.



! CAUTION: Inspection before Servicing

- Before conducting an inspection, read all relevant documentation (service handbook, technical notices, etc.) and proceed with the inspection following the prescribed procedure, using only the prescribed tools. Do not make any adjustment not described in the documentation.
If the prescribed procedure or tool is not used, the copier may break and a risk of injury or fire exists.
- Before conducting an inspection, be sure to disconnect the power plugs from the copier and options.
When the power plug is inserted in the wall outlet, some units are still powered even if the POWER switch is turned OFF. A risk of electric shock exists.
- The area around the fixing unit is hot.
You may get burnt.



! DANGER: Work Performed with the Copier Powered

- Take every care when making adjustments or performing an operation check with the copier powered.
If you make adjustments or perform an operation check with the external cover detached, you may touch live or high-voltage parts or you may be caught in moving gears or the timing belt, leading to a risk of injury.



⚠ DANGER: Work Performed with the Copier Powered

- Take every care when servicing with the external cover detached.
High-voltage exists around the drum unit. A risk of electric shock exists.

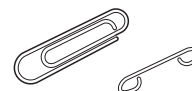


⚠ WARNING: Safety Checkpoints

- Check the exterior and frame for edges, burrs, and other damages.
The user or CE may be injured.



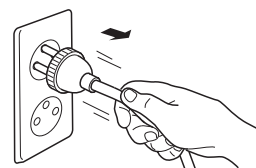
- Do not allow any metal parts such as clips, staples, and screws to fall into the copier.
They can short internal circuits and cause electric shock or fire.



- Check wiring for squeezing and any other damage.
Current can leak, leading to a risk of electric shock or fire.



- When disconnecting connectors, grasp the connector, not the cable.
(Specifically, connectors of the AC line and high-voltage parts)
Current can leak, leading to a risk of electric shock or fire.



- Carefully remove all toner remnants and dust from electrical parts and electrode units such as a charging corona unit.
Current can leak, leading to a risk of copier trouble or fire.



- Check high-voltage cables and sheaths for any damage.
Current can leak, leading to a risk of electric shock or fire.



- Check electrode units such as a charging corona unit for deterioration and sign of leakage.
Current can leak, leading to a risk of trouble or fire.



- Before disassembling or adjusting the write unit incorporating a laser, make sure that the power cord has been disconnected.
The laser light can enter your eye, leading to a risk of loss of eyesight.



- Do not remove the cover of the write unit. Do not supply power with the write unit shifted from the specified mounting position.
The laser light can enter your eye, leading to a risk of loss of eyesight.

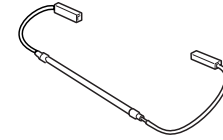


- When replacing a lithium battery, replace it with a new lithium battery specified in the Parts Guide Manual. Dispose of the used lithium battery using the method specified by local authority.
Improper replacement can cause explosion.

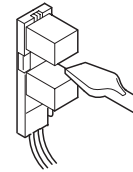


! WARNING: Safety Checkpoints

- After replacing a part to which AC voltage is applied (e.g., optical lamp and fixing lamp), be sure to check the installation state.
A risk of fire exists.



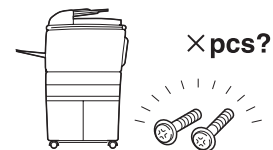
- Check the interlock switch and actuator for loosening and check whether the interlock functions properly.
If the interlock does not function, you may receive an electric shock or be injured when you insert your hand in the copier (e.g., for clearing paper jam).



- Make sure the wiring cannot come into contact with sharp edges, burrs, or other pointed parts.
Current can leak, leading to a risk of electric shock or fire.

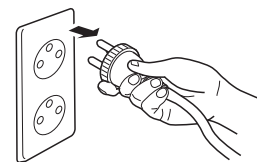


- Make sure that all screws, components, wiring, connectors, etc. that were removed for safety check and maintenance have been reinstalled in the original location. (Pay special attention to forgotten connectors, pinched cables, forgotten screws, etc.)
A risk of copier trouble, electric shock, and fire exists.



! DANGER: Handling of Service Materials

- Unplug the power cord from the wall outlet.
Drum cleaner (isopropyl alcohol) and roller cleaner (acetone-based) are highly flammable and must be handled with care. A risk of fire exists.



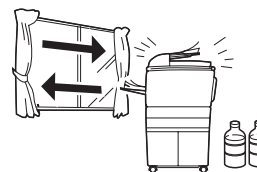
- Do not replace the cover or turn the copier ON before any solvent remnants on the cleaned parts have fully evaporated.
A risk of fire exists.



- Use only a small amount of cleaner at a time and take care not to spill any liquid. If this happens, immediately wipe it off.
A risk of fire exists.



- When using any solvent, ventilate the room well.
Breathing large quantities of organic solvents can lead to discomfort.



! DANGER: Handling of Service Materials

- Toner and developer are not harmful substances, but care must be taken not to breathe excessive amounts or let the substances come into contact with eyes, etc. It may be stimulative.

If the substances get in the eye, rinse with plenty of water immediately.
When symptoms are noticeable, consult a physician.



- Never throw the used cartridge and toner into fire.
You may be burned due to dust explosion.

**[3] MEASURES TO TAKE IN CASE OF AN ACCIDENT**

1. If an accident has occurred, the distributor who has been notified first must immediately take emergency measures to provide relief to affected persons and to prevent further damage.
2. If a report of a serious accident has been received from a customer, an on-site evaluation must be carried out quickly and Konica Corporation must be notified.
3. To determine the cause of the accident, conditions and materials must be recorded through direct on-site checks, in accordance with instructions issued by Konica Corporation.
4. For reports and measures concerning serious accidents, follow the regulations given in "Serious Accident Report/Follow-up Procedures."

[4] CONCLUSION

1. Safety of users and customer engineers depends highly on accurate maintenance and administration. Therefore, safety can be maintained by the appropriate daily service work conducted by the customer engineer.
2. When performing service, each copier on the site must be tested for safety. The customer engineer must verify the safety of parts and ensure appropriate management of the equipment.

SAFETY INFORMATION

IMPORTANT INFORMATION

The Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration implemented regulations for laser products manufactured since August 1, 1976. Compliance is mandatory for products marketed in the United States.

This copier is certified as a “Class 1” laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. Since radiation emitted inside this copier is completely confined within protective housings and external covers, the laser beam cannot escape during any phase of normal user operation.

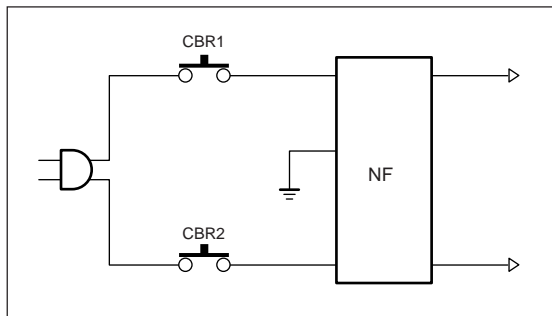
SAFETY CIRCUITS

This machine is provided with the following safety circuits to prevent machine faults from resulting in serious accidents.

- [1] Overall safety circuit
- [2] L2 and L3 (fixing heater lamps) overheating prevention circuit

These safety circuits are described below to provide the service engineer with a renewed awareness of them in order to prevent servicing errors that may impair their functions.

[1] Overall safety circuit protector



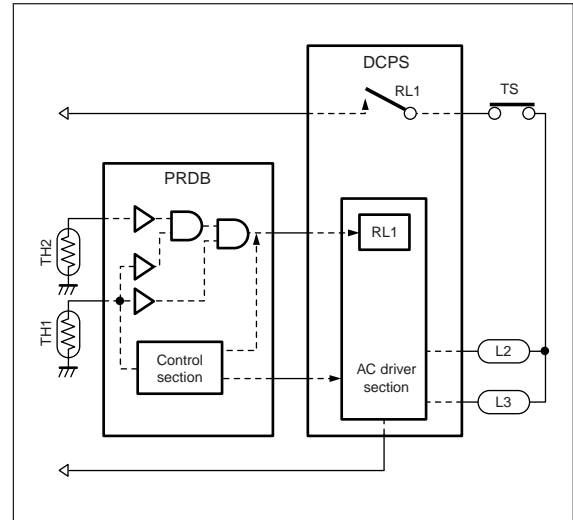
1. Protection by CBR1 and CBR2 (circuit breakers)

CBR1 and CBR2 interrupt the AC line instantaneously when an excessive current flows due to a short in the AC line.

⚠ CAUTION:

The CBR1 and CBR2 functions must not be deactivated under any circumstances.

[2] Protection by L2 and L3 (fixing heater lamps) overheating prevention circuit



1. Protection by software

The output voltage from TH1 and TH2 (fixing temperature sensors 1 and 2) is read by the CPU. If this voltage is abnormal, L2 (fixing heater lamp 1), L3 (fixing heater lamp 2) and RL1 (main relay) are turned OFF.

⚠ CAUTION:

Do not change the gap between the roller and TH1, between the roller and TH2. When replacing TH1, check the specified mounting dimensions. The RL1 function must not be deactivated under any circumstances.

2. Protection by the hardware circuit

The output voltages from TH1 and TH2 (fixing temperature sensors) are compared with the abnormality judgment reference value in the comparator circuit. If the output voltage from TH1 or TH2 exceeds the reference value, L2 (fixing heater lamp 1), L3 (fixing heater lamp 2) and RL1 (main relay) are turned OFF in hardware means.

CAUTION:

Periodically check the TH1 and TH2 face contacting the roller, and replace TH1 and TH2 if any abnormality is detected.

Since TH1 and TH2 face does not contact the roller, check the distance from the roller and the sensor orientation if any abnormality is detected.

The RL1 function must not be deactivated under any circumstances.

3. Protection by TS (thermostat)

When the temperature of the upper fixing roller exceeds the specified value, TS are turned OFF, thus interrupting the power to L2 (fixing heater lamp 1) and L3 (fixing heater lamp 2) directly.

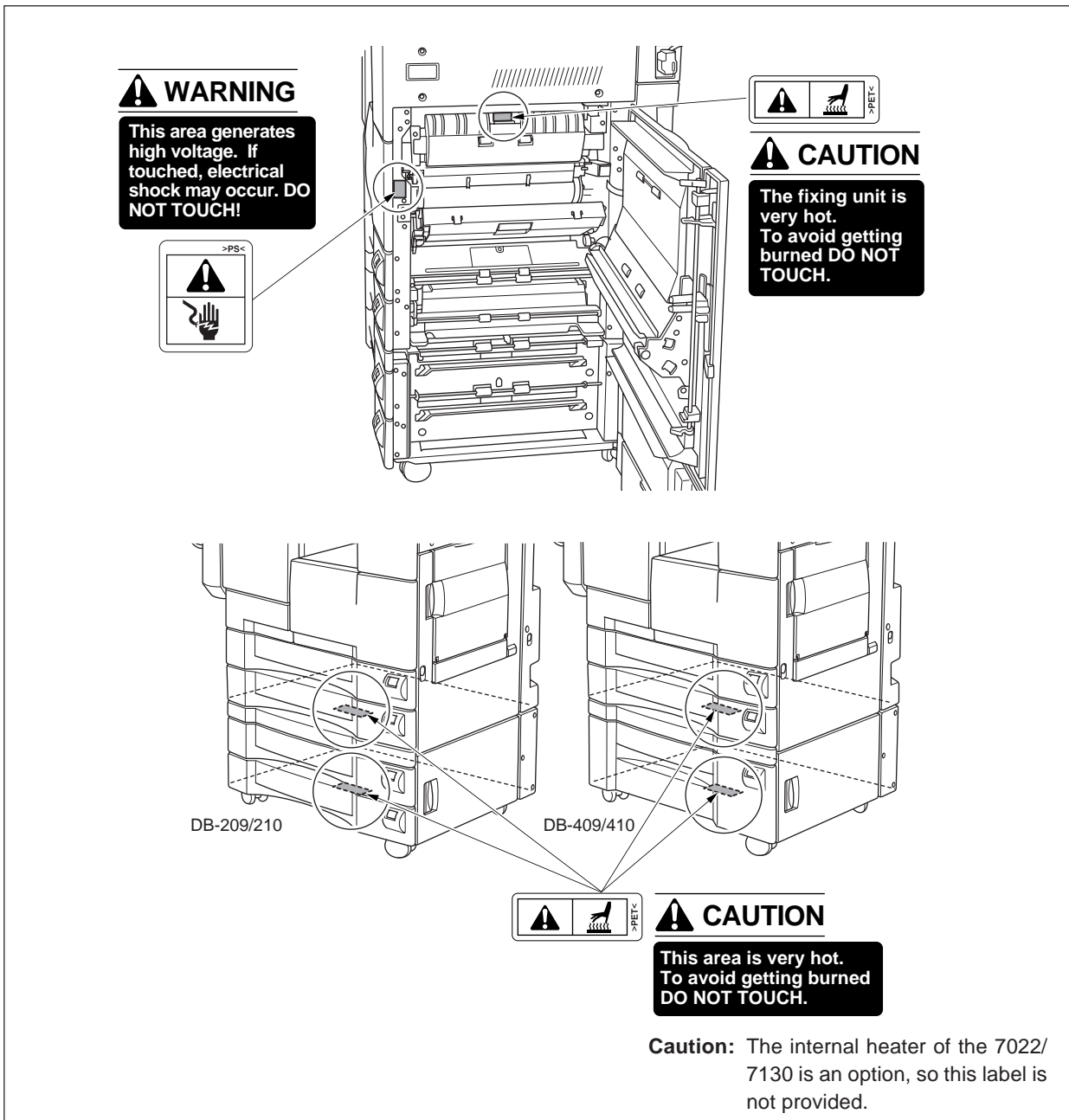
CAUTION:

Do not use any other electrical conductor in place of TS. Do not change the distance between the roller and TS (thermostat).

INDICATION OF WARNING ON THE MACHINE

Caution labels shown below are attached in some areas on/in the machine.

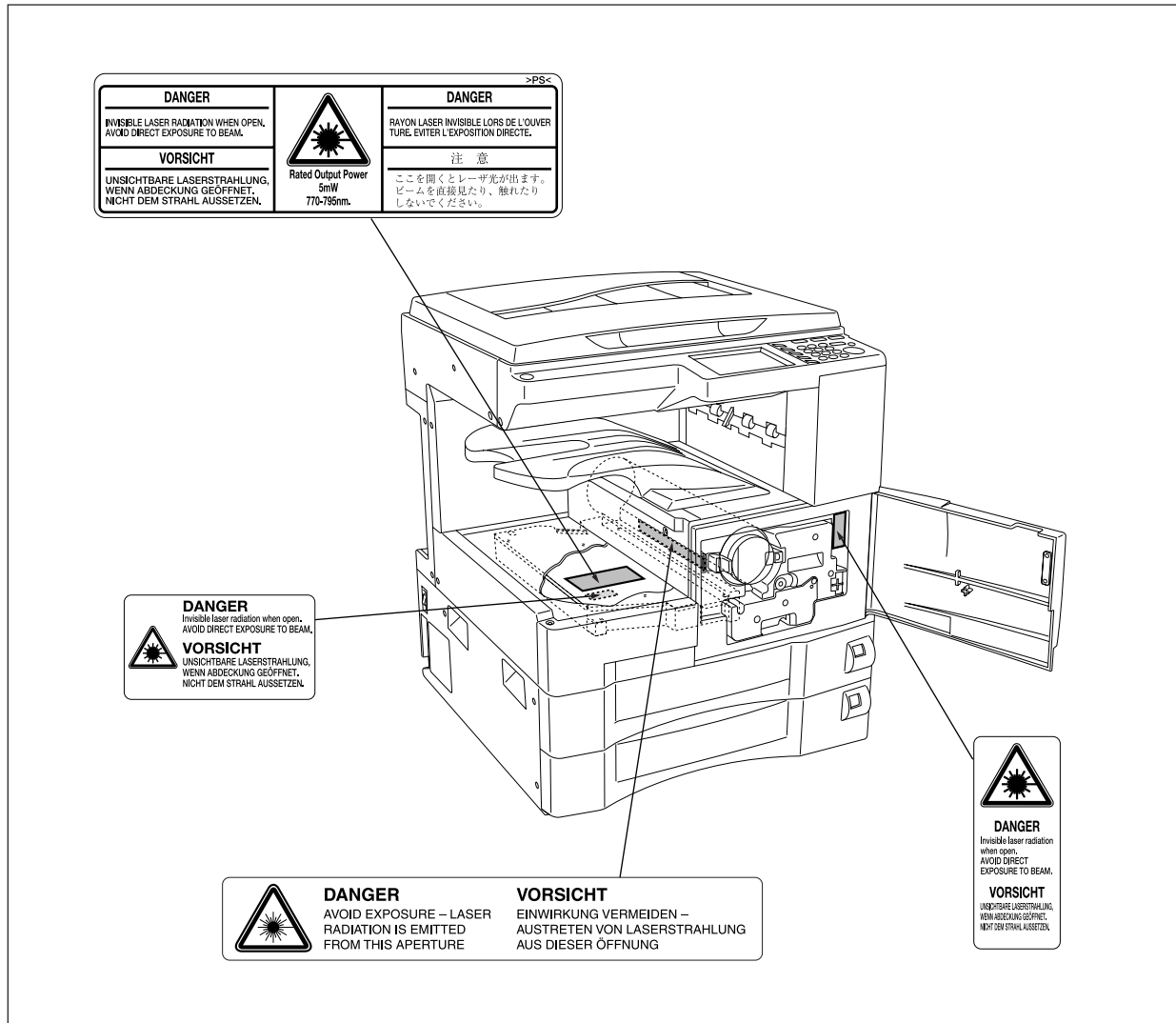
When accessing these areas for maintenance, repair, or adjustment, special care should be taken to avoid burns and electric shock.



CAUTION:

You may be burned or injured if you touch any area that you are advised by any caution label to keep yourself away from.
Do not remove caution labels. If any caution label has come off or soiled and therefore the caution cannot be read, contact our Service Office.

SAFETY AND IMPORTANT WARNING ITEMS



CAUTION:

You may be burned or injured if you touch any area that you are advised by any caution label to keep yourself away from.

Do not remove caution labels. If any caution label has come off or soiled and therefore the caution cannot be read, contact our Service Office.

4 7020 SERIES LIST OF DIFFERENCE

Classification	7020	7022	7025	7030	7130	7035	7135	Reason	
Specification	Warm-up time	Within 30 seconds							Specification Change
	First copy out time (A4)	Approx. 5 seconds							
Specification	Continuous copy speed(A4)	22 copies	25 copies	30 copies	35 copies			Specification Change	
	Maximum E-RD(H) memory	288 MB							
	ADU	Correspond							
	Machine Service life	1,200,000 Copies or 5 years							
Material	Toner	Common to 7020/25/30		Common to 7020/25/30		Common to 7022/7130/7135		Specification Change	
	Developer	Common to 7022/7130/7135		Common to 7020/25/30		Exclusively for 7035			
	Drum	Common to 7020/7022/7025/7030/7130/7035/7135		Common to 7022/7130/7135		Exclusively for 7135			
External Section	Suction filter/A	No	Yes	No	Yes			Specification Change	
	Filter cover assembly								
Read Section	Forward	140mm/sec							Specification Change
	Scan (Life size)	180mm/sec							
	Speed Reverse (Max)	241mm/sec							
Write Section	Polygon motor rotational speed	33070.9rpm							CPM change
		42519.6rpm							
Toner supply section	Toner conveyance /supply drive	Toner supply motor 1 switched across to the toner conveyance drive with toner bottle SD	Driven independently with toner supply motor 1 and toner supply motor 2	Toner supply motor 1 switched across to the toner conveyance drive with toner bottle SD	Driven independently with toner supply motor 1 and toner supply motor 2			Specification change	
	Fixing claw	6 pieces	4 pieces	6 pieces	4 pieces	6 pieces			
Electrical Section	Intermediate conveyance sensor	No	Yes						Specification change
	Toner bottle solenoid	Yes	No	Yes	No				
	Toner supply motor 2	No	Yes	No	Yes				
	Developing suction fan	No	Yes	No	Yes				
	APS sensor 1	Yes	No	Yes	No		Yes		
	Paper exit sensor	Yes	No	Yes	No		Yes		
Control	PTC heater	Yes	No (Treated as spare parts)	Yes	No (Treated as spare parts)		Yes		
	Overall control /Image control	Exclusively for 7020	Exclusively for 7022	Exclusively for 7025	Exclusively for 7030	Exclusively for 7130	Exclusively for 7035	Exclusively for 7135	



LIST OF OPTIONS THAT CAN BE USED WITH THE 7020 SERIES

Option	7020	7022	7025	7030	7130	7035	7135
RADF [DF-314]	Correspond						
Finisher [FS-107]							
Finisher trays [FT-107]							
Inner tray [IT-101]							
Platen cover [CV-109]							
Pedestal [DK-109]							
DB-209/409	Correspond	Not correspond	Correspond		Not correspond		
DB-210/410	Correspond						
Key counter							
Total counter							
Printer controller [IP-011]	Correspond						
Network board [KN-304]							
Expansion memory [MU-403 : 32MB]							
[MU-404 : 64MB]							
Printer controller [IP-421]	Correspond	Not correspond	Correspond		Not correspond	Correspond	Not correspond
Network board [KN-303]							
Hard disk [HD-103]							
Expansion memory [MU-403 : 32MB]							
[MU-404 : 64MB]							
[MU-405 : 128MB]							
Postscript [PS-341]							
Printer controller [IP-422]	Not correspond	Correspond	Not correspond		Correspond	Not correspond	
Hard disk [Field option]							
Expansion memory [MU-411 : 64MB]							
Postscript [PS-343]							
Printer controller [IP-423]	Not correspond						Correspond
Hard disk [Field option]							
Expansion memory [MU-404 : 64MB]							
[MU-405 : 128MB]							
Postscript [PS-345]							
FAX control board	Correspond	Not correspond	Correspond		Not correspond	Correspond	Not correspond
FK-101							
FK-102							
FL-102	Correspond						
E-RDH/FAX expansion memory [MU-403 : 32MB]	Correspond						
[MU-404 : 64MB]							
[MU-405 : 128MB]							
MU-413 : 256MB	Not correspond	Correspond	Not correspond	Correspond	Correspond	Not correspond	Correspond

7020 Copier/Printer System Configurator



Machine and Accessories

Item Description	Item Number
7020 Copier	950220
Platen Cover (CV-109)	950233
RADF (DF-314)	950234
Finisher (FS-107) (2-bin)	950222
Optional Finisher Output Tray (FT-107)	950226
Drawer Base w/ PFU (DB-210)	950351
Drawer Base w/LCT (DB-410) (1,500)	950352
Plain Base	950225
Fax Kit (FK-101)	950227
Windows Print Controller (IP-011)	950228
Ethernet Network Card (KN-304) ¹	950235
Memory 32 MB (MU-403) ^{2, 3}	950217
Memory 64 MB (MU-404) ^{2, 3}	950218
Memory 128 MB (MU-405) ³	950219
IP-421 Print Controller	950229
Ethernet Network Card KN-303 ⁴	950230
Hard Disk Drive (HD-103) w/Scanning ⁴	950231
Post Script Kit (PS-341) ^{4, 5}	950232
Internal Exit Tray (IT-101) 2 Trays	950255

¹ For IP-011 only

² Memory for IP-011 print controller

³ Memory for ERDH (copier engine) and IP-421 print controller

⁴ For IP-421 only

⁵ Post Script requires Hard Drive (HD-103), and additional 32MB memory (MU-403)

Note: Post Script Kit PS-341 available 4th quarter.

Supplies

Item Description	Item Number
Toner	950236
Developer *	950237
Drum Unit *	950253
Staples FS-107	950764

* Supplied with copier

Maintenance Kit		950239
Fixing Heat Roller		Fixing Cleaning Roller
Fixing Pressure Roller		
Fixing Web		
Heat Insulating Sleeve A		
Heat Insulating Sleeve B		

Power Requirements:

NEMA-6-15R

115V/60Hz (15 AMP Outlet)

Dedicated Line Advised

Revised 12/18/01



Machine and Accessories

Item Description	Item Number
7025 Copier	950250
Platen Cover (CV-109)	950233
RADF (DF-314)	950234
Finisher (FS-107) (2-bin)	950222
Optional Finisher Output Tray (FT-107)	950226
Drawer Base w/PFU (DB-210)	950351
Drawer Base w/LCT (DB-410) (1,500)	950352
Plain Base	950225
Fax Kit (FK-101)	950227
Windows Print Controller (IP-011)	950228
Ethernet Network Card (KN-304) ¹	950235
Memory 32 MB (MU-403) ^{2, 3}	950217
Memory 64 MB (MU-404) ^{2, 3}	950218
Memory 128 MB (MU-405) ³	950219
IP-421 Print Controller	950229
Ethernet Network Card KN-303 ⁴	950230
Hard Disk Drive (HD-103) w/Scanning ⁴	950231
Post Script Kit (PS-341) ^{4, 5}	950232
Internal Exit Tray (IT-101) 2 Trays	950255

¹ For IP-011 only

² Memory for IP-011 print controller

³ Memory for ERDH (copier engine) and IP-421 print controller

⁴ For IP-421 only

⁵ Post Script requires Hard Drive (HD-103), and additional 32MB memory (MU-403)

Note: Post Script Kit PS-341 available 4th quarter.

Supplies

Item Description	Item Number
Toner	950236
Developer *	950237
Drum Unit *	950253
Staples FS-107	950764

* Supplied with copier

Maintenance Kit		950239
Fixing Heat Roller		Fixing Cleaning Roller
Fixing Pressure Roller		
Fixing Web		
Heat Insulating Sleeve A		
Heat Insulating Sleeve B		

Power Requirements:

NEMA-6-15R

115V/60Hz (15 AMP Outlet)

Dedicated Line Advised

Revised 12/18/01

7030 Copier/Printer System Configurator



Machine and Accessories

Item Description	Item Number
7030 Copier	950300
Platen Cover (CV-109)	950233
RADF (DF-314)	950234
Finisher (FS-107) (2-bin)	950222
Finisher Output Tray for FS-107(FT-107)	950226
Drawer Base w/PFU (DB-210)	950351
Drawer Base w/LCT (DB-410) (1,500)	950352
Plain Base	950225
Fax Kit (FK-101)	950227
Windows Print Controller (IP-011)	950228
Ethernet Network Card (KN-304) ¹	950235
Memory 32 MB (MU-403) ^{2, 3}	950217
Memory 64 MB (MU-404) ^{2, 3}	950218
Memory 128 MB (MU-405) ³	950219
IP-421 Print Controller	950229
Ethernet Network Card KN-303 ⁴	950230
Hard Disk Drive (HD-103) w/Scanning ⁴	950231
Post Script Kit (PS-341) ^{4, 5}	950232
Internal Exit tray (IT-101) 2 Trays	950255

¹ For IP-011 only

² Memory for IP-011 print controller

³ Memory for ERDH (copier engine) and IP-421 print controller

⁴ For IP-421 only

⁵ Post Script requires Hard Drive (HD-103), and additional 32MB memory (MU-403)

Note: Post Script Kit PS-341 available 4th quarter.

Supplies

Item Description	Item Number
Toner	950236
Developer *	950237
Drum Unit *	950253
Staples FS-107	950764

* Supplied with copier

Maintenance Kit		950239
Fixing Heat Roller	Fixing Cleaning Roller	
Fixing Pressure Roller		
Fixing Web		
Heat Insulating Sleeve A		
Heat Insulating Sleeve B		

Power Requirements:

NEMA-5-20R

115V/60Hz (15 AMP Outlet)

Dedicated Line Advised

Revised 12/18/01

7035 Copier/Printer System Configurator



Machine and Accessories

Item Description	Item Number
7035 Copier	950350
Platen Cover (CV-109)	950233
RADF (DF-314)	950234
Finisher (FS-107) (2-bin)	950222
Finisher Output Tray for FS-107(FT-107) 2 Trays	950226
Drawer Base (DB-210) (2x500 PFU)	950351
Drawer Base w/LCT (DB-410) (1,500)	950352
Plain Base	950225
Internal Exit Tray (IT-101) 2 Trays	950255
Fax Kit (FK-101)	950227
Windows Print Controller (IP-011)	950228
Ethernet Network Card (KN-304) ¹	950235
Memory 32 MB (MU-403) ^{2, 3}	950217
Memory 64 MB (MU-404) ^{2, 3}	950218
Memory 128 MB (MU-405) ³	950219
IP-421 Print Controller	950229
Ethernet Network Card KN-303 ⁴	950230
Hard Disk Drive (HD-103) w/Scanning ⁴	950231
Post Script Kit (PS-341) ^{4, 5}	950232

¹ For IP-011 only

² Memory for IP-011 print controller

³ Memory for ERDH (copier engine) and IP-421 print controller

⁴ For IP-421 only

⁵ Post Script requires Hard Drive (HD-103), and additional 32MB memory (MU-403)

Supplies

Item Description	Item Number
Toner	950251
Developer *	950252
Drum Unit *	950253
Staples FS-107	950764

* Supplied with copier

Maintenance Kit		950353
Fixing Heater Roller	Fixing Cleaning Roller	
Fixing Pressure Roller		
Fixing Web		
Heating Insulating Sleeve/A		
Heating Insulating Sleeve/B		

Power Requirements:

NEMA-5-20R

115V/60Hz (15 AMP Outlet)

Dedicated Line Advised

7022 & 7130 Copier/Printer System Configurator



Machine and Accessories

Item Description	Item Number
7022 Copier	950240
7130 Copier	950241
Platen Cover (CV-109)	950233
RADF (DF-314)	950234
Finisher (FS-107)	950222
Optional Finisher Output Tray (FT-107) ⁸	950226
Internal Exit Tray (IT-101)	950255
Drawer Base w/PFU (DB-210)	950351
Drawer Base w/LCT (DB-410)	950352
Plain Base	950225
Memory 256 MB (MU-413) ¹	950257
IP-422 Print Controller ⁶	950242
PS Kit (PS-343)	950243
Memory 64 MB (MU-411) ²	950249
2 GB Hard Disk Drive (HD-107) ³	950258
Fax Kit (FK-102)	950244
Dual Fax Line Option (FL-102) ⁷	950245
Windows Print Controller IP-011	950228
Ethernet Network I/F Card (KN-304) ⁴	950235

Supplies

Item Description	Item Number
Toner	950246
Developer ⁵	950254
Drum ⁵	950253
Staples FS-107	950764

Maintenance Kit	950256
Fixing Heat Roller	
Fixing Pressure Roller	
Heat Insulation Sleeve/A	
Heat Insulation Sleeve/B	

¹ Memory for ERDH

² Memory for Print Controller

³ Required for Scanning, and 64MB memory upgrade (MU-411) is recommended.

⁴ For IP-011

⁵ Supplied with copier

⁶ Network Card is standard

⁷ Available late 2nd Quarter

⁸ Up to 2 can be added

Power Requirements: 120 V AC - ±10%

7135 Copier/Printer System Configurator



Machine and Accessories

Item Description	Item Number
7135 Copier	950360
Platen Cover (CV-109)	950233
RADF (DF-314)	950234
Finisher (FS-107)	950222
Optional Finisher Output Tray (FT-107) ⁶	950226
Internal Exit Tray (IT-101)	950255
Drawer Base w/PFU (DB-210)	950351
Drawer Base w/LCT (DB-410)	950352
Plain Base	950225
Memory 256 MB (MU-413) ¹	950257
IP-423 Print Controller ⁵	950365
PS Kit (PS-345)	950366
Memory 64 MB (MU-404) ²	950218
Memory 128 MB (MU-405) ²	950219
2 GB Hard Disk Drive (HD-107) ³	950258
Fax Kit (FK-102)	950244
Dual Fax Line Option (FL-102)	950245

Supplies

Item Description	Item Number
Toner	950367
Developer ⁴	950254
Drum ⁴	950253
Staples FS-107	950764

Maintenance Kit	950368
Fixing Heat Roller	
Fixing Pressure Roller	
Heat Insulation Sleeve/A	
Heat Insulation Sleeve/B	

Service Parts		
Standard	Receptacle	Wire Adapter
Part No U181-1010	Part No U021-0020	Part No 1206K0010

¹ Memory for ERDH

² Memory for Print Controller

³ Required for Scanning, and 64MB memory upgrade (MU-411) is recommended.

⁴ Supplied with copier

⁵ Network Card is standard

⁶ Up to 2 can be added

Power Requirements: 120 V AC - ±10%

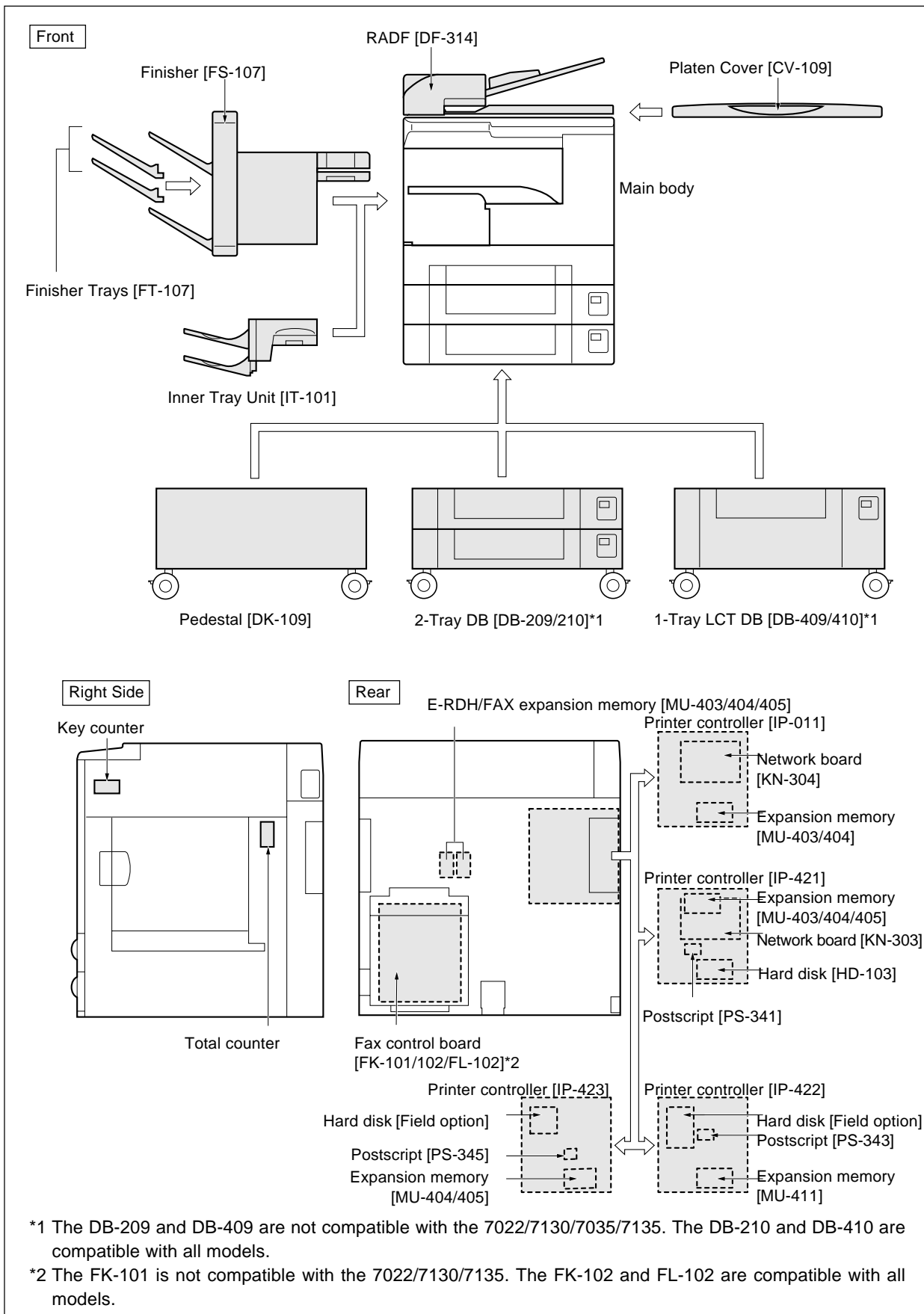


OUTLINE

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OUTLINE OF SYSTEM

4



7020 SERIES PRODUCT SPECIFICATIONS

1. Type

Type: Semi-console type

Copying method: Indirect electrostatic method

Original table method: Fixed

Original alignment: Left rear standard

Photosensitive material: OPC

Sensitizing method: Laser writing

Paper feed trays: Two trays (500 sheets per tray; 22 lb.)
 Multisheet bypass tray (50 sheets; 22 lb.)
 DB-209/210 (Two trays; 500 sheets/tray; 22 lb.)*
 DB-409/410 (One tray; 1500 sheets; 22 lb.)*
 *Option

Magnification:

Fixed magnifications: x0.50, x0.65, x0.77, x1.00, x1.29, x1.55, x2.00

Special ratio: Three kinds.

Zoom magnifications: x0.25 to x4.00 (1% steps)

Vertical magnifications: x0.25 to x4.00 (1% steps)

Horizontal magnifications: x0.25 to x4.00 (1% steps)

Warmup time (at 68 °F, at rated voltage):
 Other than 7035/7135 Within 30 seconds
 7035/7135 Within 45 seconds

First copy out time:
 Other than 7035/7135 Approximately 5 seconds
 7035/7135 Approximately 4.2 seconds

2. Functions

Originals: Sheets; book; solid object

Original size: A3, 11x17 maximum

Copy sizes: A3 to A5, 11x17 to 5.5x8.5

	U.S.A.	Europe and others
Tray1	8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5, F4, B4, A4, A4R, B5R, A5R	B4, A4, A4R, B5, B5R, A5R, F4, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5,
Tray2	11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5, A3, A4, A4R, A5R, B5, B5R, F4	A3, B4, A4, A4R, B5, B5R, A5R, 11 × 17, 8.5 × 11, 8.5 × 11R, F4
By-pass tray	11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5, A3, A4, A4R, A5R, B5, B5R, F4	A3, B4, A4, A4R, B5, B5R, A5R, 11 × 17, 8.5 × 11, 8.5 × 11R, F4

ADU usable paper size:

U.S.A.	Europe and others
11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5, A3, A4, A4R, A5R, B5, B5R, F4	A3, B4, A4, A4R, B5, B5R, A5R, 11 × 17, 8.5 × 11, 8.5 × 11R, F4

Continuous copy speed (life size copies/min):

7020 20copies/minute
 7022 22copies/minute
 7025 25copies/minute
 7030/7130 30copies/minute
 7035/7135 35copies/minute

Continuous copy count:

1 to 999

Copy density selections: manual (9 steps), AE

Arbitrary density (2 modes)

Resolution: 600 dpi x 600 dpi

ERDH memory: Standard 32 MB
 Maximum 288 MB

3. Applicable Copy Paper

Plain paper: 16 to 24 lb. high-quality paper

Special paper: Label paper
 (bypass feed only) OHP film
 Blueprint master paper
 Recycled paper
 14 to 16 lb. high quality paper
 24 to 36 lb. high quality paper

4. Options

Caution: For details of the correspondence between each of the following options and the main body, refer to the "LIST OF OPTIONS THAT CAN BE USED WITH THE 7020 SERIES".

RADF:	DF-314
Finisher:	FS-107
Drawer base unit:	DB-209*/210 (2-tray) DB-409*/410 (1-LCT) *Not applicable to machines other than the 7020/25/30.
Inner tray unit:	IT-101
Finisher trays:	FT-107 Install up to two trays into FS-107
Pedestal:	DK-109
Platen cover:	CV-109
Key counter	
Total counter	
Expansion memory unit:	
For ERDH/FAX memory expansion	
MU-403 :	32MB DIMM
MU-404 :	64MB DIMM
MU-405 :	128MB DIMM
Expansion memory for IP-011 printer	
MU-403 :	32MB DIMM
MU-404 :	64MB DIMM
Expansion memory for IP-421 printer	
MU-403 :	32MB DIMM
MU-404 :	64MB DIMM
MU-405 :	128MB DIMM
Expansion memory for IP-422 printer	
MU-411 :	64MB DIMM
Expansion memory for IP-423 printer	
MU-404 :	64MB DIMM
MU-405 :	128MB DIMM
Printer controller:	IP-011/421/422
Fax control board:	FK-101/102
Network board:	KN-303 Ethernet network for IP-421
Network board:	KN-304 Ethernet network for IP-011
Hard disk:	HD-103 Hard disk for the IP-421
Postscript:	PS-341 PostScript for the IP-421

Postscript:	PS-343 PostScript for the IP-422
Postscript:	PS-345 PostScript for the IP-423

5. Machine Data

Power supply:	120 VAC \pm 10% (for U.S.A.) 220 to 240 VAC 10% (for Europe)
Power consumption:	Maximum 1170W (only main body)
Weight:	Approximately 158 lb.
Machine dimensions:	
Width:	23.4 in.
Depth:	23.4 in.
Height:	32.7 in. (With DF)

6. Maintenance

Periodic maintenance:	Per 100,000 copies
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7. Consumables

For 7020/25/30

Developer:	Exclusively for Konica 7020/25/30
Toner:	Exclusively for Konica 7020/25/30
Drum:	Exclusively for Konica 7020/25/30 (ϕ 60)

For 7035

Developer:	Exclusively for Konica 7035
Toner:	Exclusively for Konica 7035
Drum (Note):	Common to Konica 7020 (ϕ 60)

For 7022/7130

Developer:	Exclusively for Konica 7022/7130
Toner:	Exclusively for Konica 7022/7130
Drum (Note):	Common to 7020 (ϕ 60)
Note:	Common with the 7020/25/30. However, items which do not have 7022,7130,7035 listed on the package box should not be used.

For 7135

Developer:	Common to Konica 7022/7130
Toner:	Exclusively for Konica 7135
Drum (Note):	Common to Konica 7022/7130 (ϕ 60)

Note: Common with the 7020/25/30. However, items which do not have 7022,7130,7035 listed on the package box should not be used.

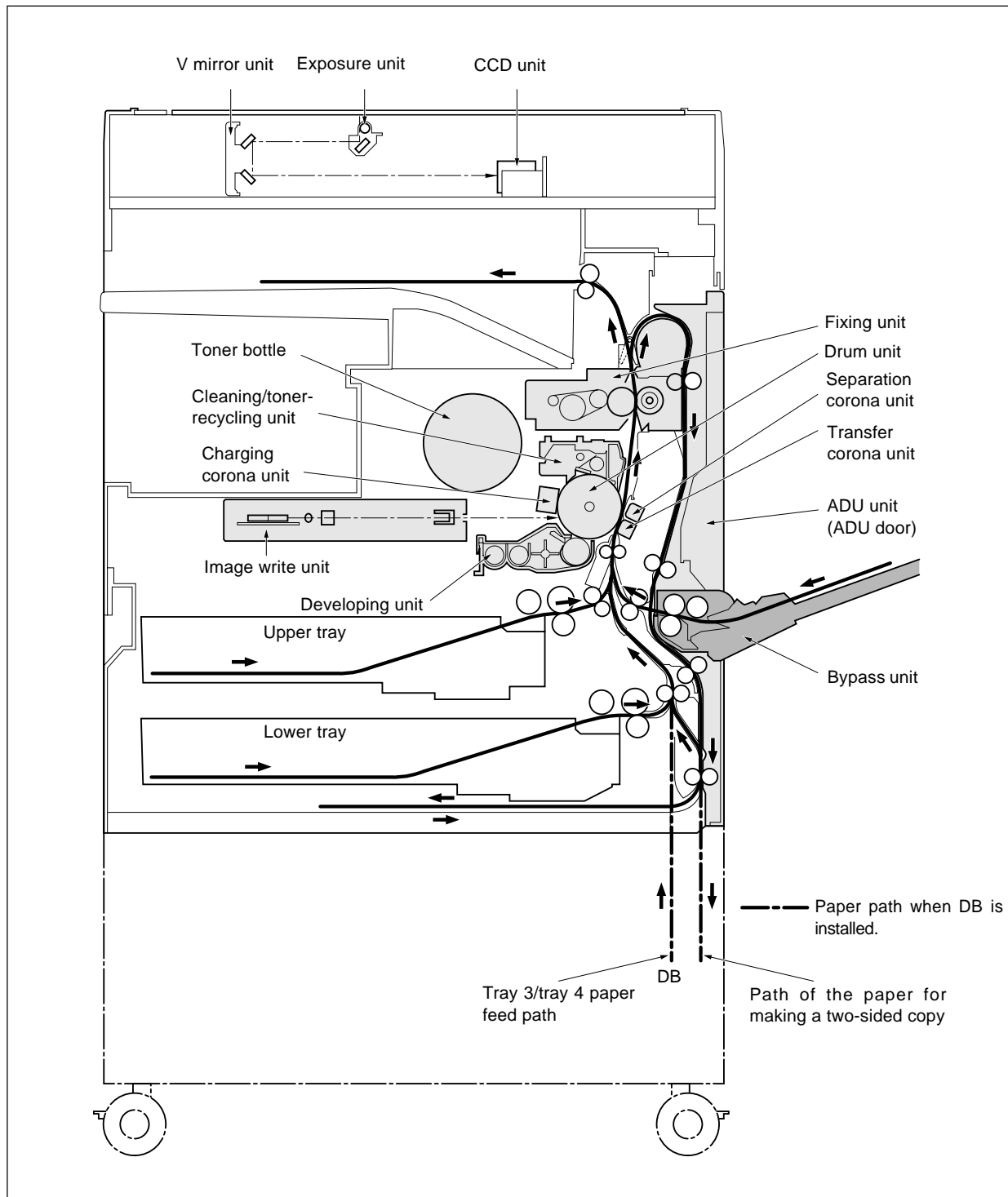
8. Environmental Conditions

Temperature: 50 to 86°F

Humidity: 10 to 80% RH

Note: Specifications are subject to change without notice.

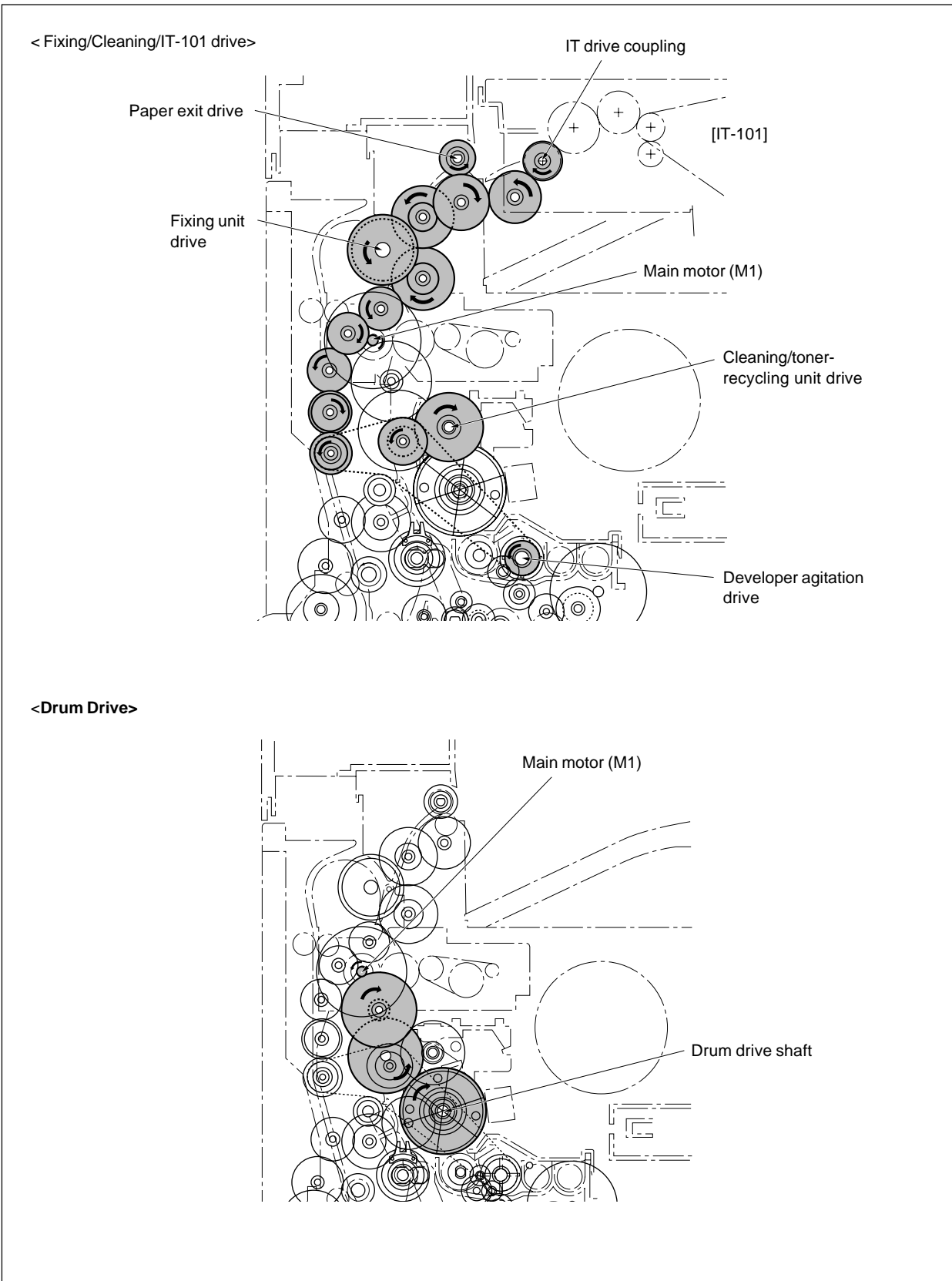
CENTER CROSS SECTION



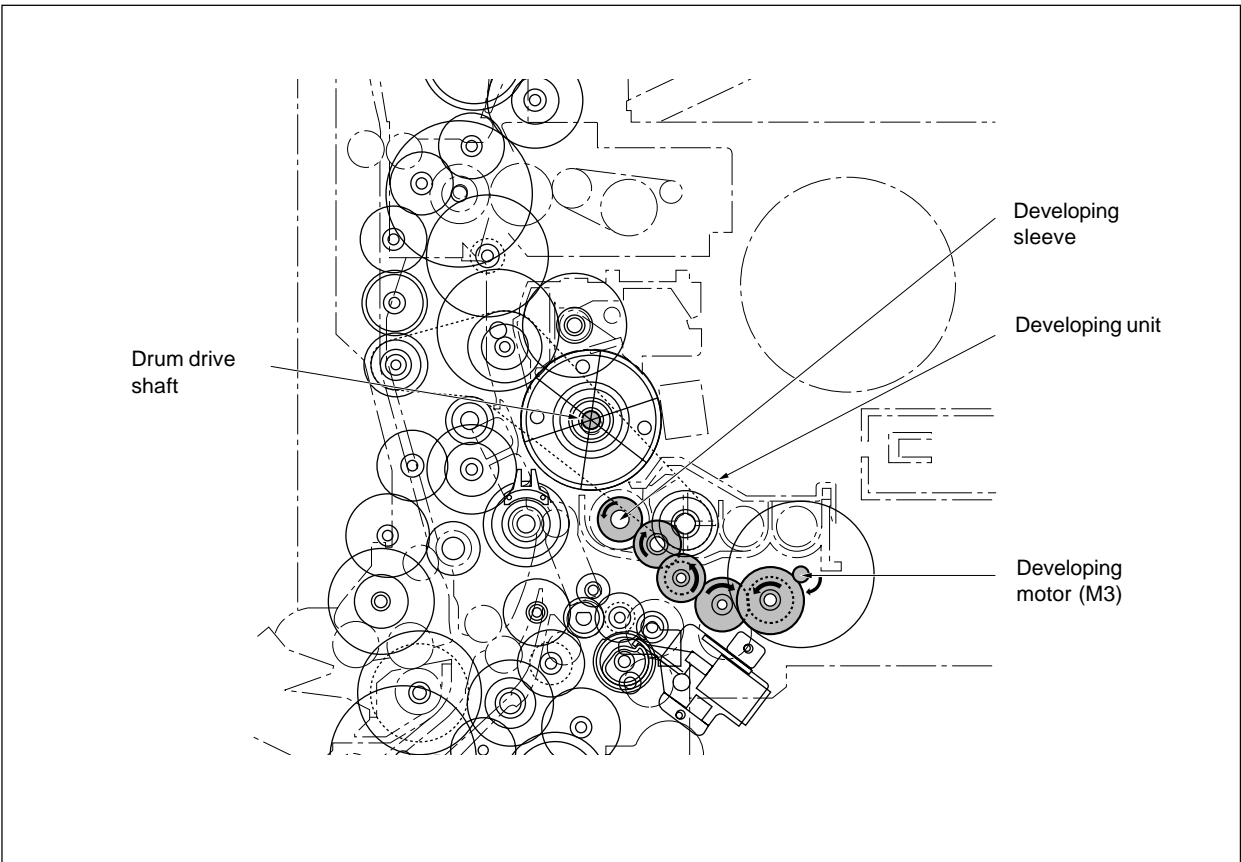
DRIVE SYSTEM DIAGRAM

[1] Main Drive

2



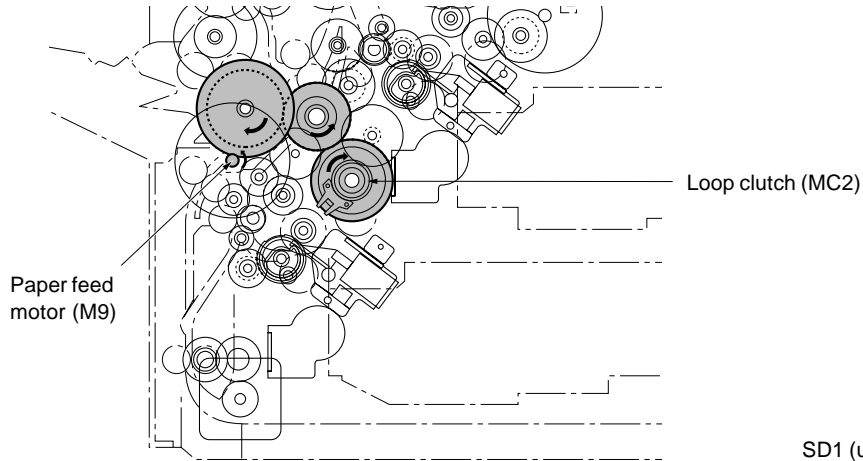
[2] Developing Drive



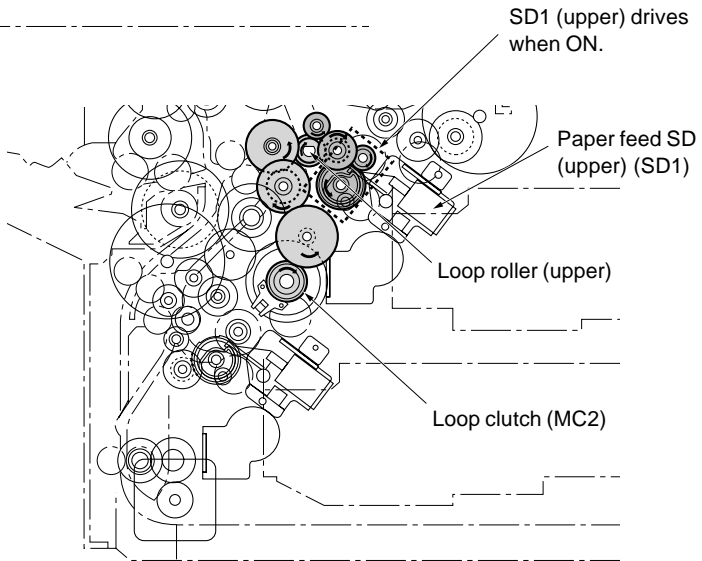
[3] Paper Feed Drive



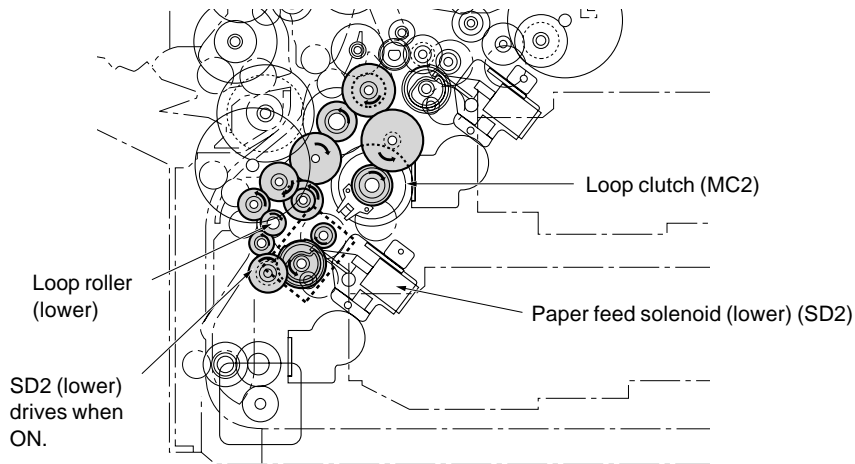
Drive from paper feed motor to loop clutch



Drive from loop clutch
a. Upper tray drive

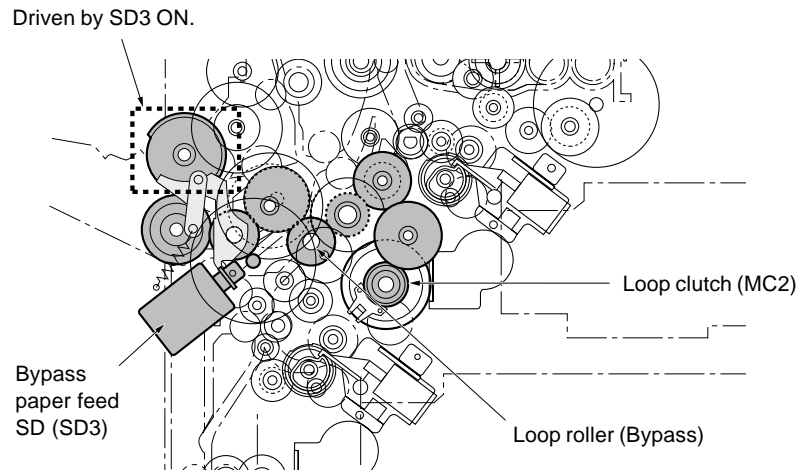


b. Lower tray drive

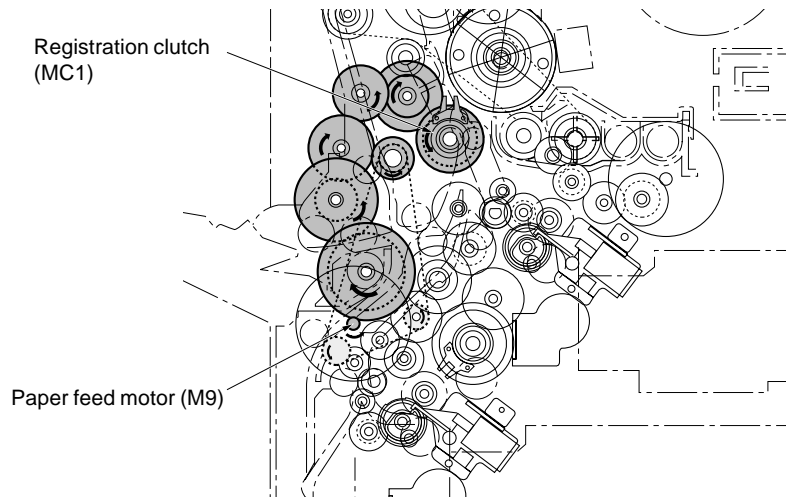




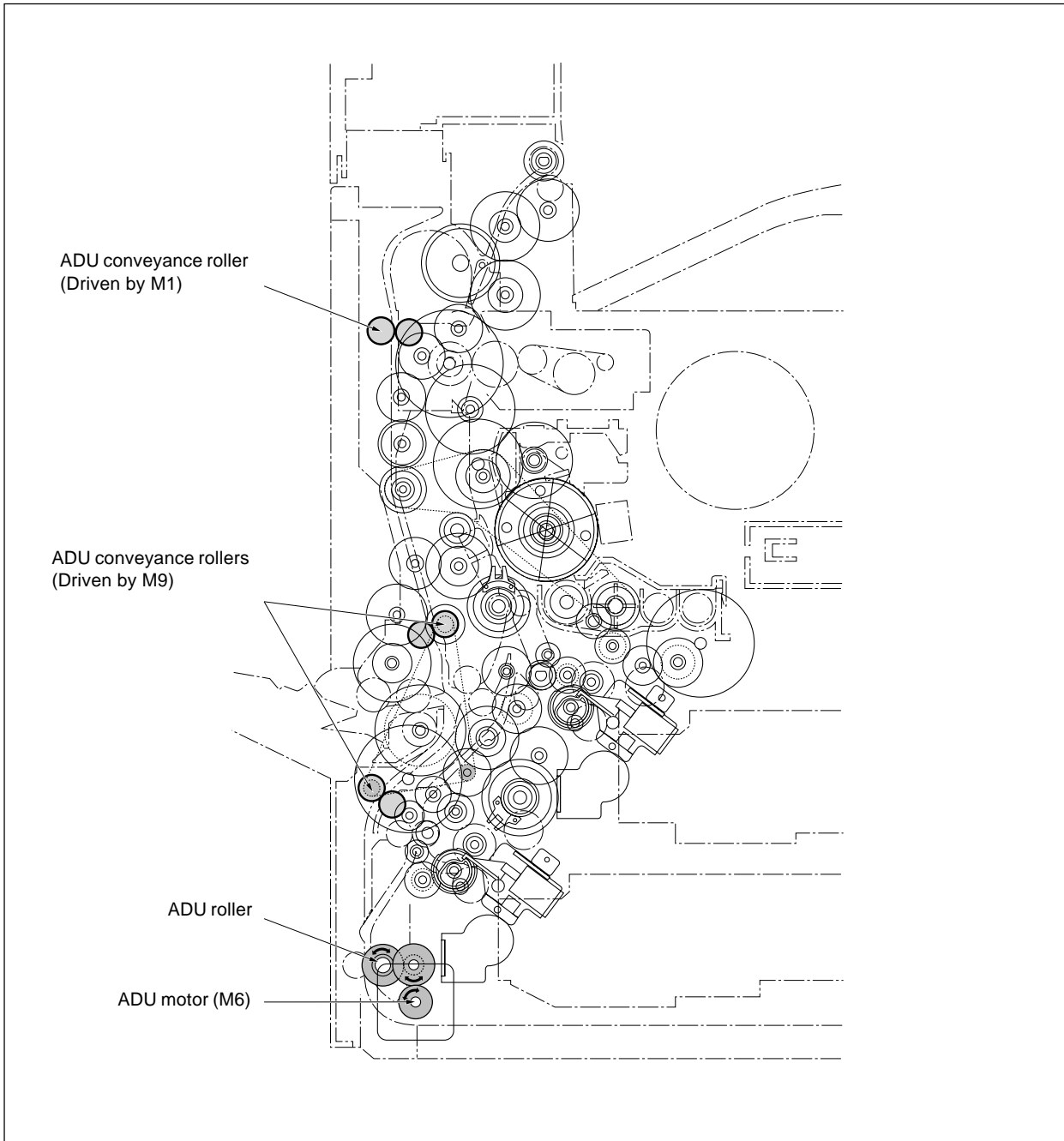
c. Bypass feed drive



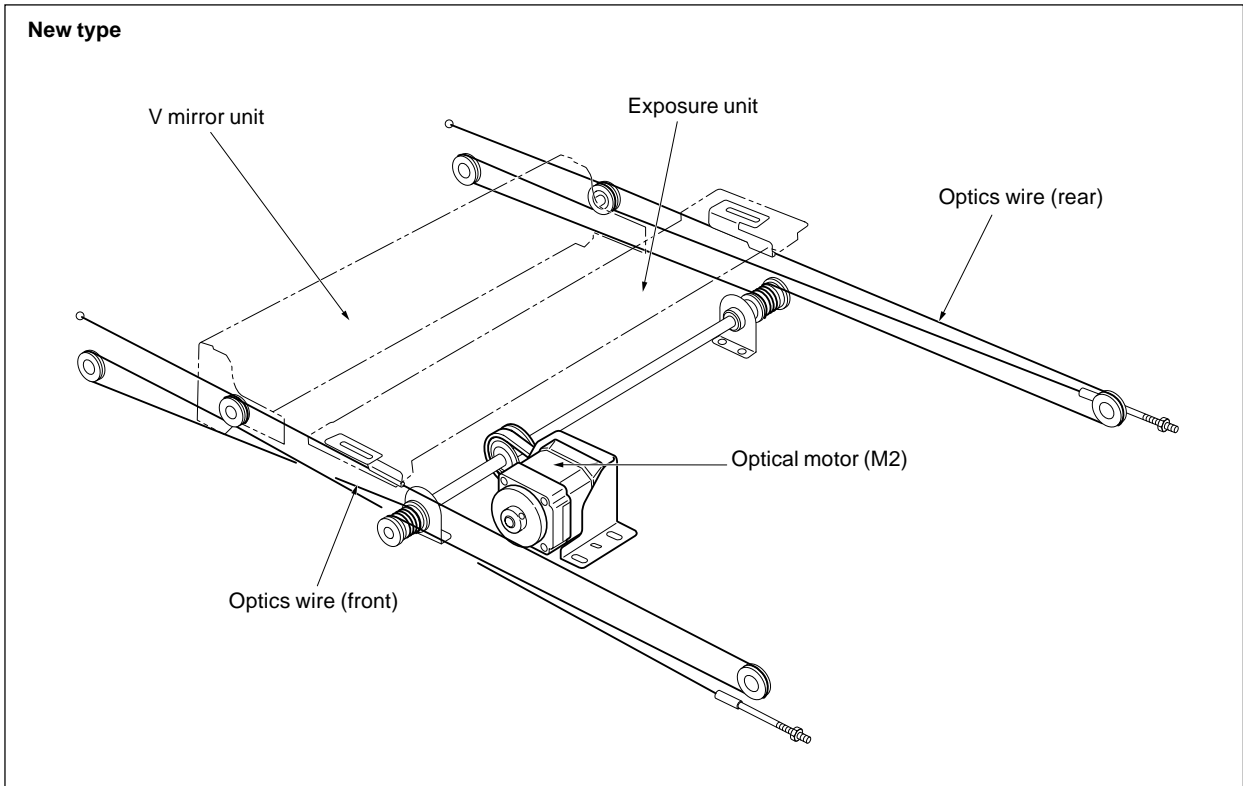
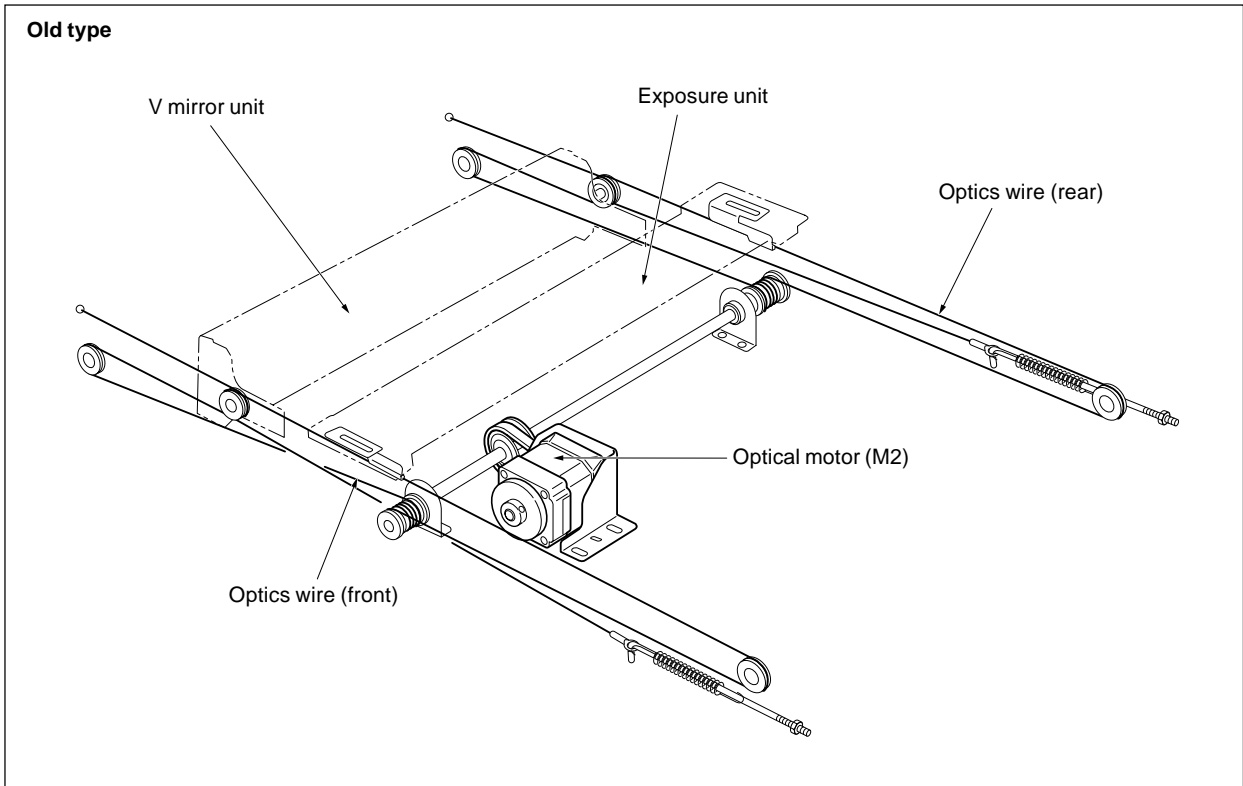
Registration clutch drive



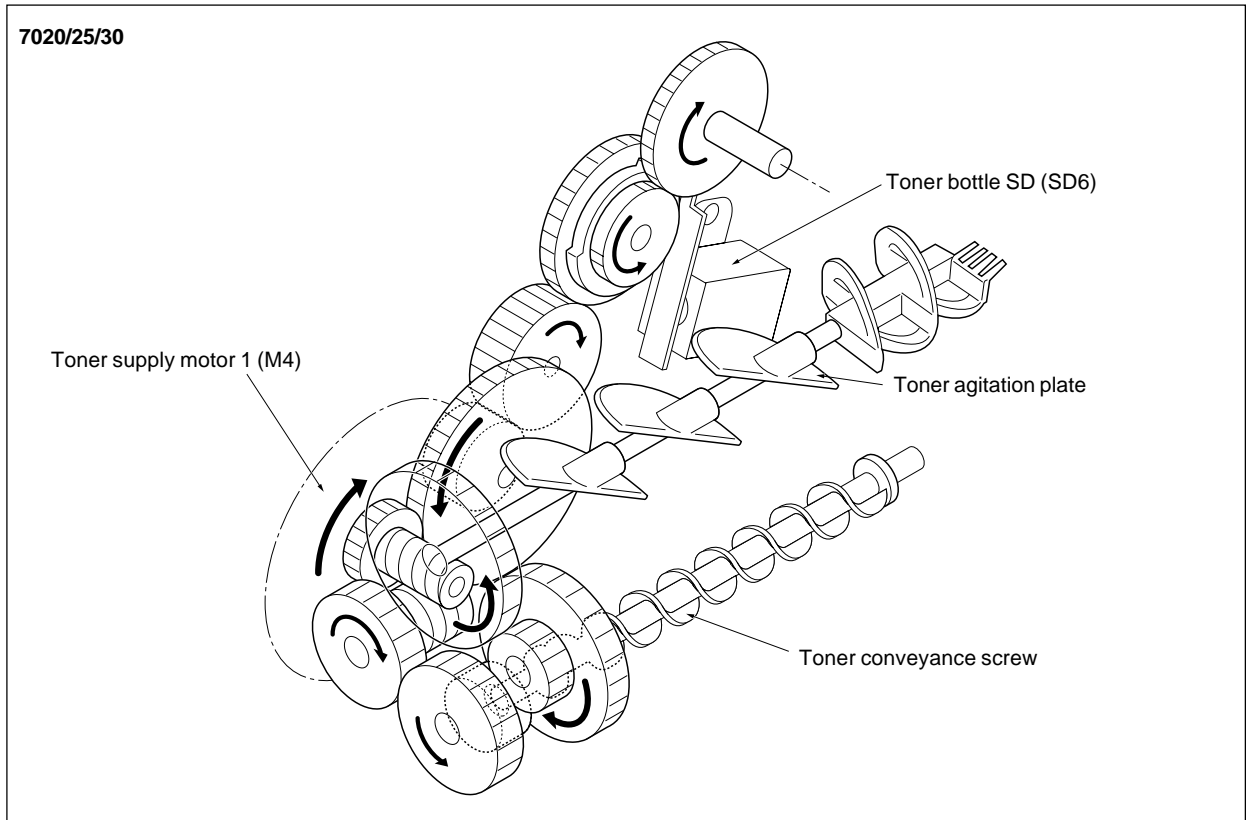
[4] ADU Drive



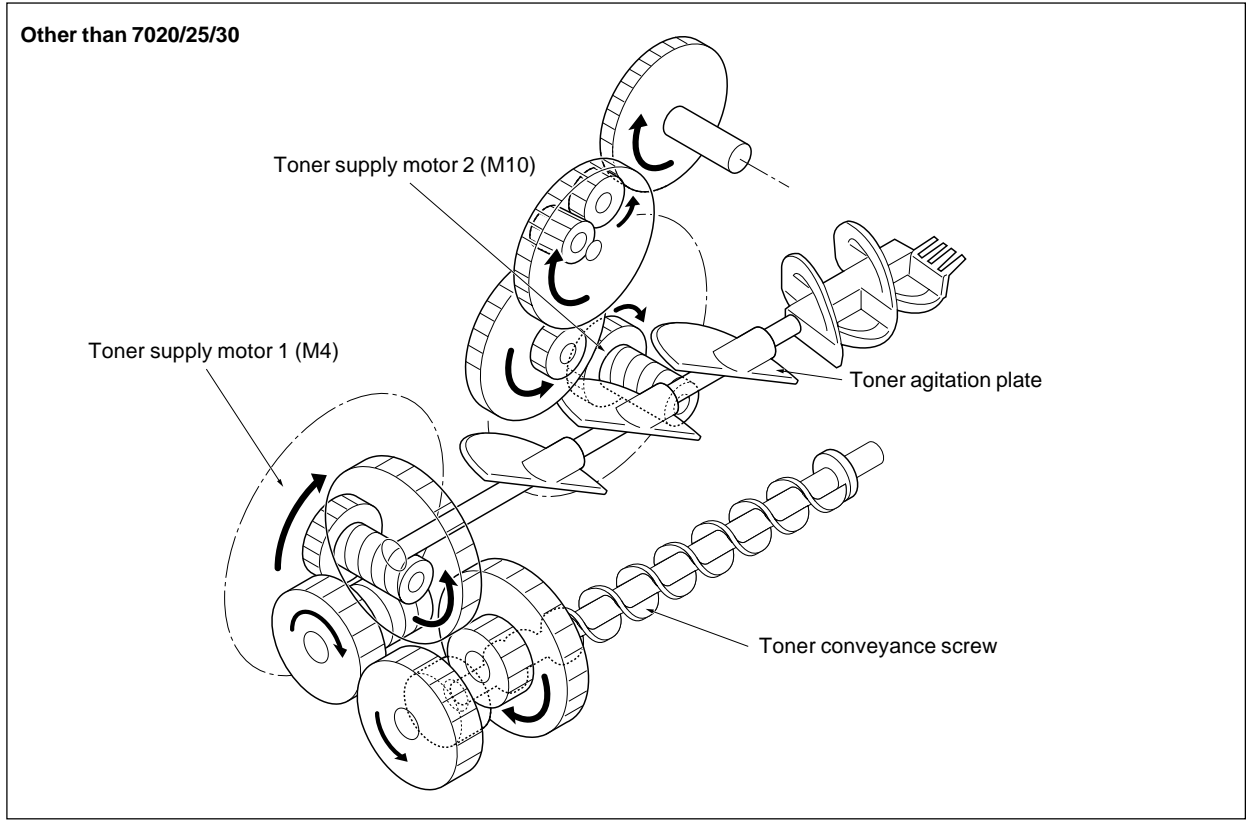
[5] Reading Drive



[6] Toner Supply Drive



3

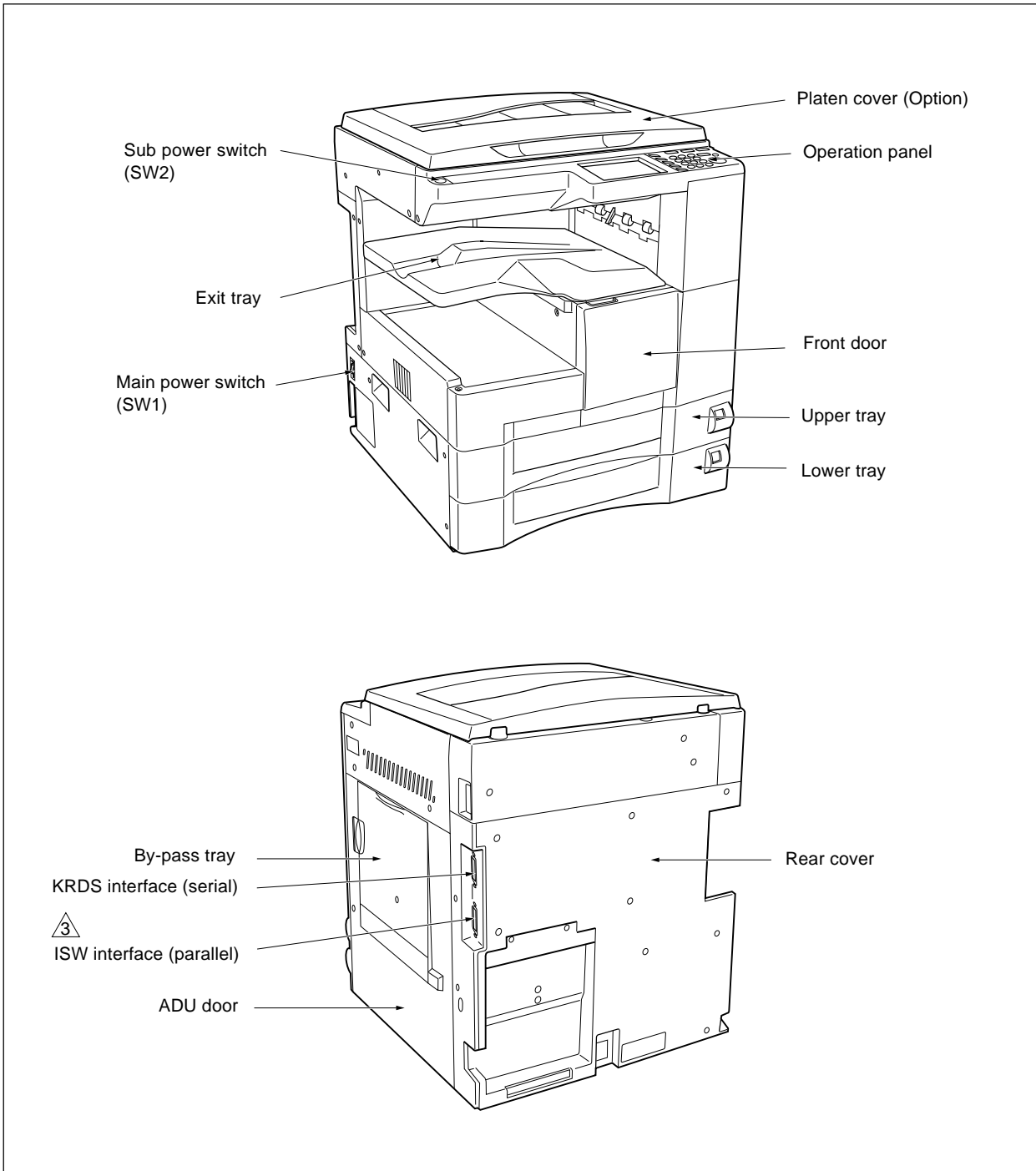


2

UNIT EXPLANATION

EXTERNAL SECTION

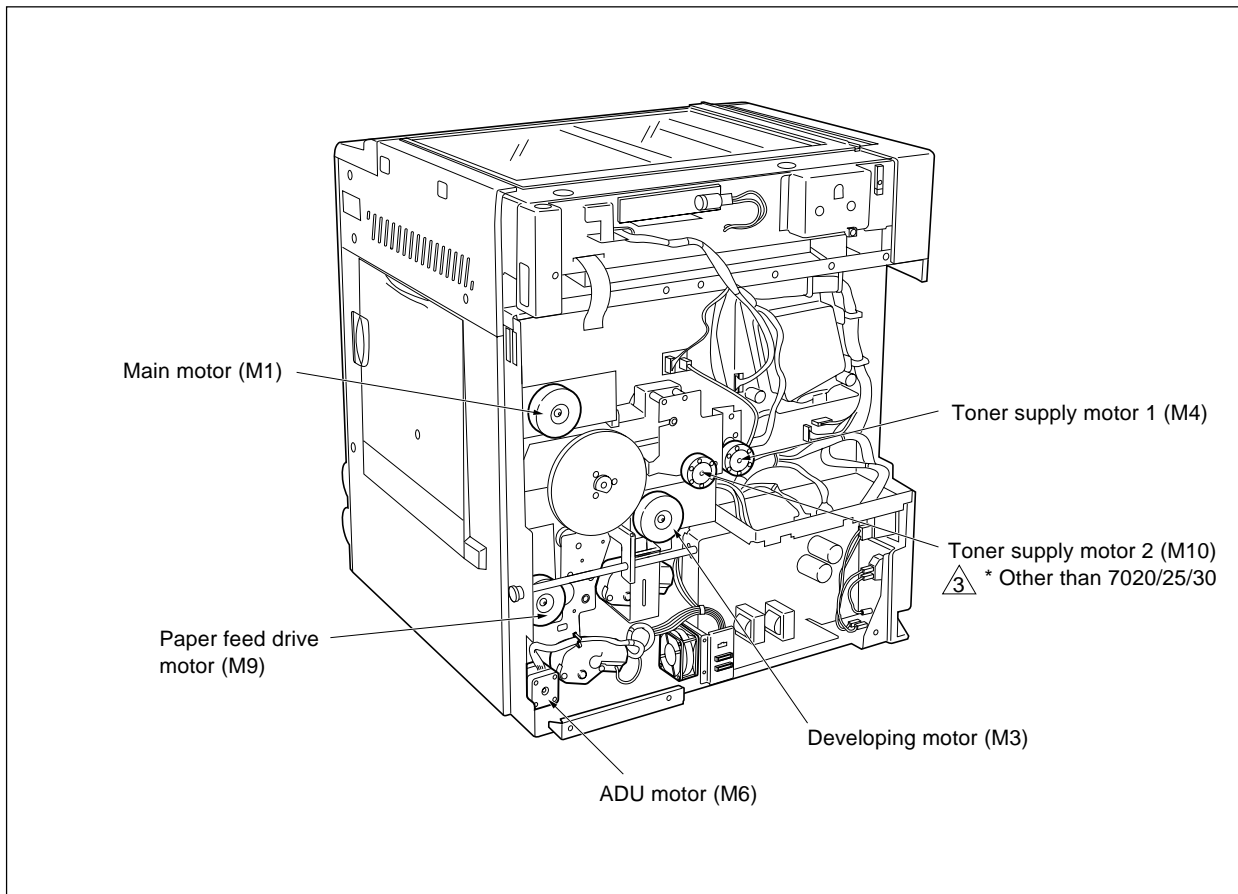
[1] Composition



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DRIVE SECTION

[1] Composition

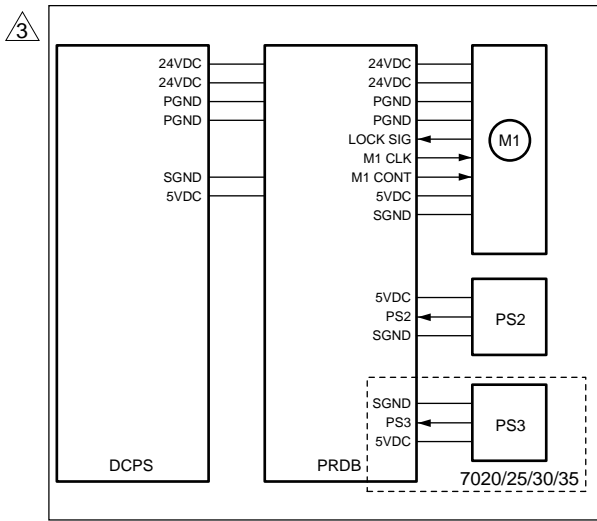


[2] Mechanisms

Mechanism	Method
Drum, Conveyance, Developer agitation, Fixing, and exit drive, ADU conveyance drive, IT conveyance/exit drive (when installing IT)	Gear drive (M1)
Developing sleeve drive	Gear drive (M3)
Paper feed drive, ADU conveyance drive	Gear drive (M9)
Toner supply drive	Gear drive (M4)
Toner bottle rotation drive (Other than 7020/25/30)	Gear drive (M10)
ADU drive	Gear drive (M6) *1

△3

[3] M1 (Main Motor) Control



M1 (main motor) is controlled by the PRDB (printer drive board).

1. Operation

M1 is a brushless motor running on 24 VDC. It drives the 2nd paper feed, fixing, drum, toner conveyance screw and toner recycle screw, and also drives part of the developer agitation screw, IT drive coupling and the ADU conveyance section.

When IT is installed, M1 drives IT conveyance section and also drives the paper exit section via the IT drive coupling.

M1 includes an internal speed sensor, and utilizes PLL control to maintain constant speed. Rotational speed is controlled by a reference clock signal output by PRDB.

- ⚠ M1 comes ON when the START button is pressed, and goes OFF at a predetermined time interval after PS3 (paper exit PS) (PS2 (fixing exit PS) in the case of machines other than 7020/25/30/35) goes OFF for the final copy.

At warmup start, M1 comes ON. only during initial drum charging.

2. Signals

a. Input signals

- (1) LOCK SIG (M1 → PRDB)
A monitoring signal for the rotation of M1.
Goes [L] when M1 rotation reaches the rated speed.
[H]: Stopped, or rotating at other than rated speed.
[L]: Rotating at rated speed. (PLL: stable)

- ⚠ (2) PS2 (PS2 → PRDB)
Paper fixing unit exit passage detection signal
[H] when paper is detected.

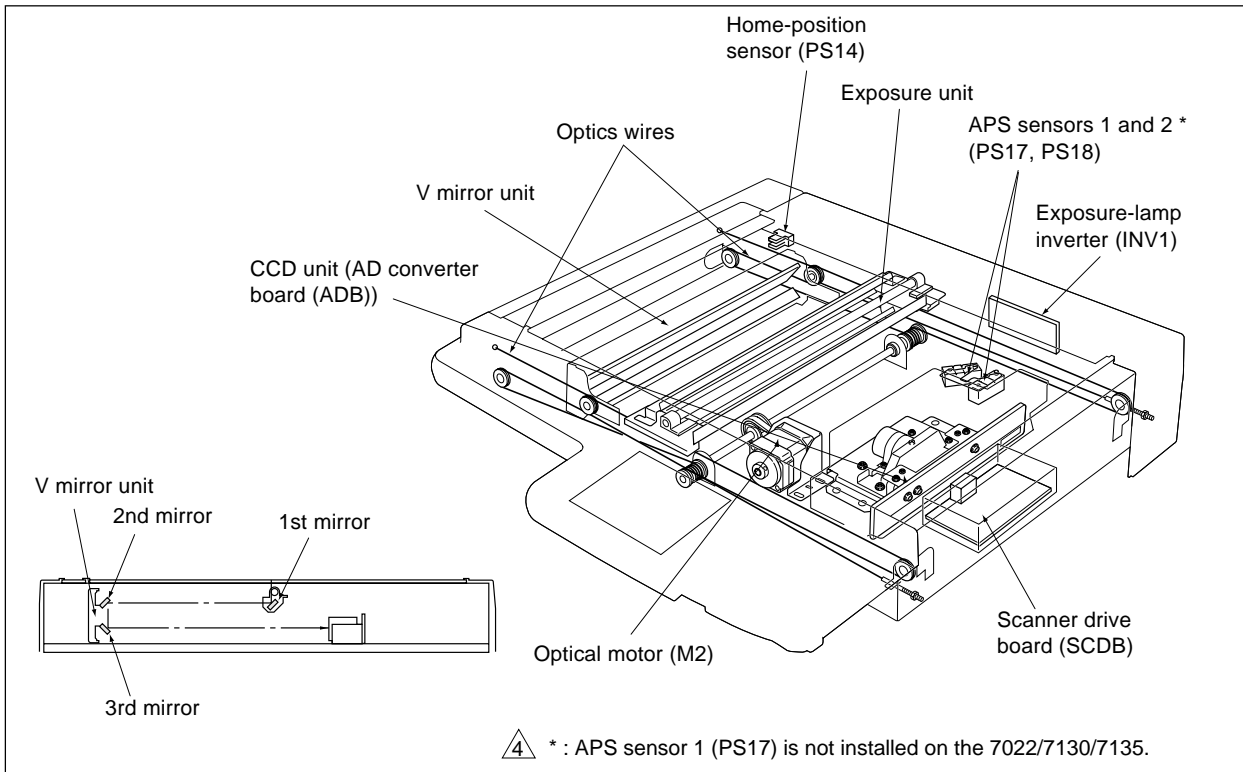
- ⚠ (3) PS3 (PS3 → PRDB)(Only for 7020/25/30/35)
Paper exit passage detect signal

b. Output signals

- (1) M1 CONT (PRDB → M1)
M1 drive control signal.
[L]: M1 ON
[H]: M1 OFF
- (2) M1 CLK (PRDB → M1)
Reference clock for M1 rotation control.

READ SECTION

[1] Composition

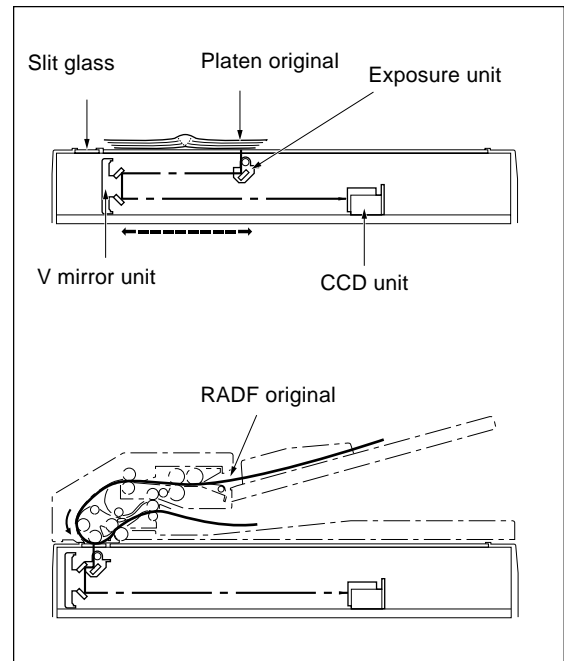


[2] Mechanisms

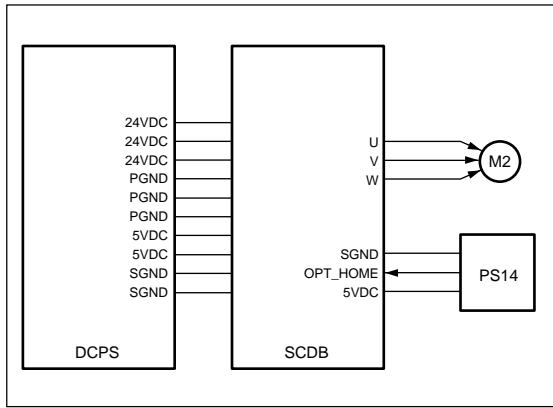
Mechanism	Method
Light source	Xenon lamp
Exposure	Light source slit exposure
Scanning *	Platen original scanning: Movement of 1st, 2nd, and 3rd mirrors. RADF original scanning: Original is moved with light source held stationary.
Lamp power supply	Lamp cord

* Platen and RADF scans operate as follows.

- a. Platen original: The original is placed on the platen glass, and reading is accomplished by movement of the exposure unit and V mirror unit.
- b. RADF original: The exposure unit and V mirror unit are shifted under slit glass, and the original is scanned as it passes over the exposure unit.



[3] M2 (Optical Motor) Control



M2 (optical motor) is controlled by the SCDB (scanner drive board). A related signal is provided by PS14 (optics home position PS).

1. Operation

a. Operation of M2

M2 is a 3 phase stepping motor running on 24VDC. This motor drives the exposure unit so as to implement scanning. Forward rotation, reverse rotation, and rotation speed are switched as necessary to carry out each scan cycle.

The exposure unit's home position is detected by PS14. M2 operation (drive time span and drive direction) is controlled by time count after PS14 ON or PS14 OFF.

b. Exposure unit's scan speed

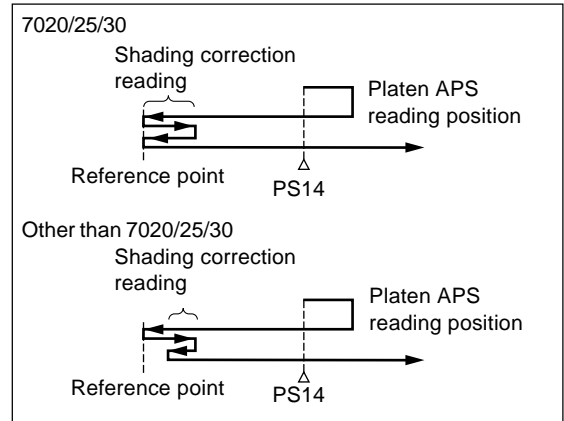
④ Scan Speed

	Scan Speed
Forward	<Other than 7035/7135> 140mm/sec (1:1 magnification) <7035/7135> 180mm/sec (1:1 magnification)
Reverse	<Other than 7035/7135> 241mm/sec (max) <7035/7135> 310mm/sec (max)

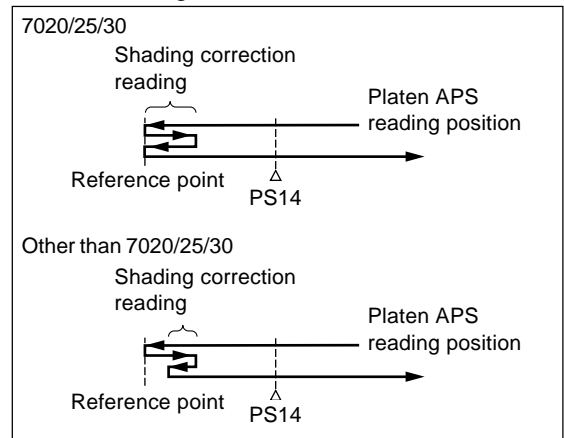
c. Initial operation when power is turned ON

When SW2 (sub power switch) comes ON, the exposure unit starts a home position search. The search procedure differs according to whether PS14 is ON or OFF. Upon completing the search, the exposure unit stands by at the platen mode's APS reading position.

(1) When PS14 is turned ON



(2) When PS14 is goes OFF



d. Shading correction reading

Shading correction read out is implemented using the white reference plate attached beneath the glass stopper plate. Shading correction is executed when SW2 comes ON.

④ In the case of the 7035/7135, shading correction is performed when SW2 is turned ON, and also during each scanning job.

e. Exposure scanning modes

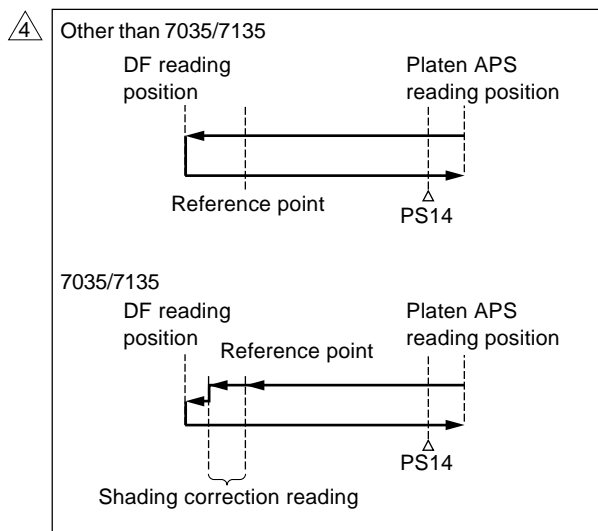
Two modes are implemented: platen mode and DF mode.

In platen mode, the exposure unit moves as necessary to scan the original. In DF mode, the RADF side moves the original while the exposure unit stays fixed in a specified position (the DF reading position).

f. Operation in DF mode

- 4 The read position in the DF mode is on the paper exit side of PS14, and the exposure unit moves from the standby position (platen APS read position) to the DF read position. In the case of the 7035/7135, shading correction takes place while the exposure unit is moving to the DF read position.

It then returns to the platen APS reading position after completing the original scan and again enters standby.



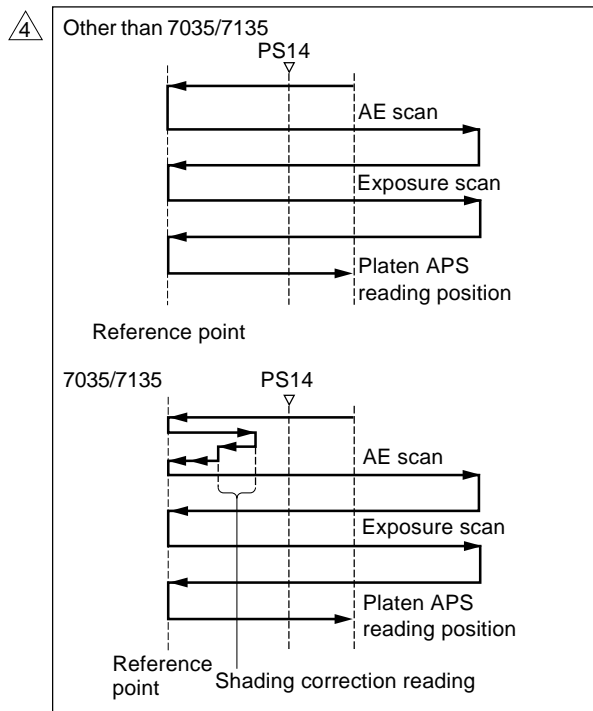
g. Operation in platen mode

In this mode, the scan sequence depends on the copy density selection (either AE or manual).

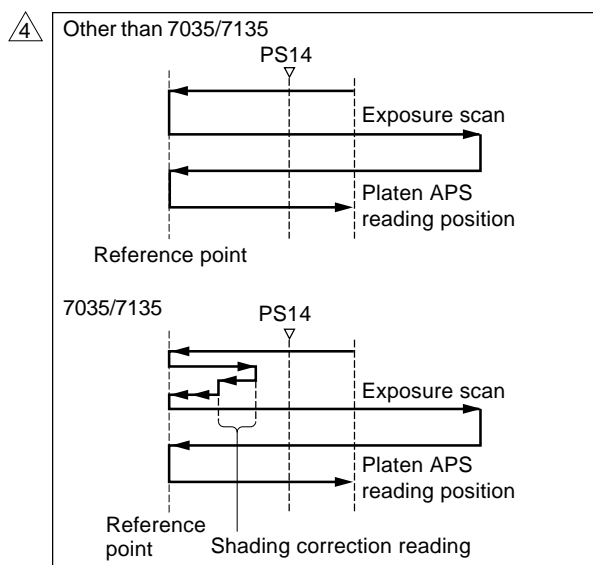
When the start button is pressed

- 4 When the AE mode is selected, the AE scan takes place. When the AE mode is not selected, an exposure scan takes place immediately. In the case of the 7035/7135, shading correction is performed before the commencement of scanning, for all operations. After completing the scan, exposure unit turns to the platen APS reading position.

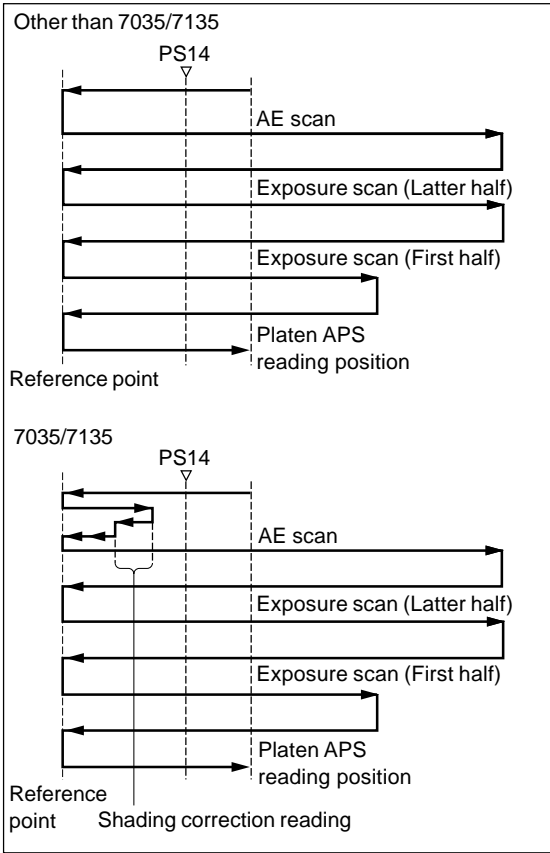
(1) AE mode



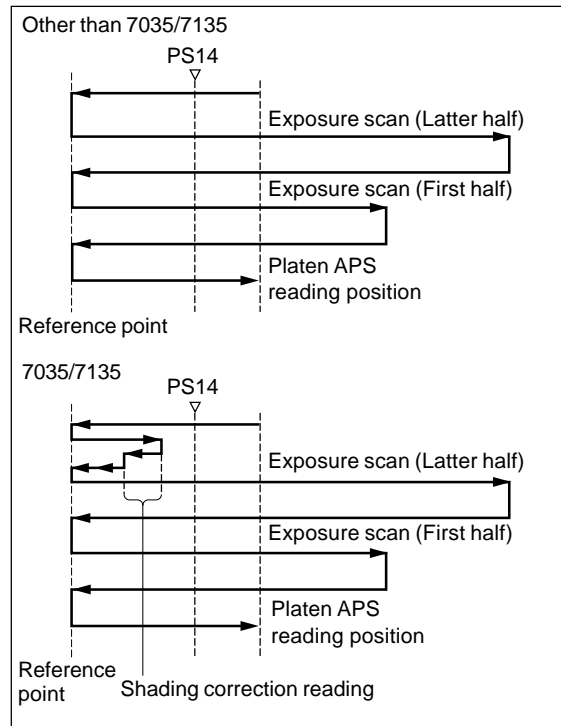
(2) Manual copy mode



⚠ (3) Dual page (AE mode, Left binding) mode



⚠ (4) Dual page (Manual mode, Left binding) mode



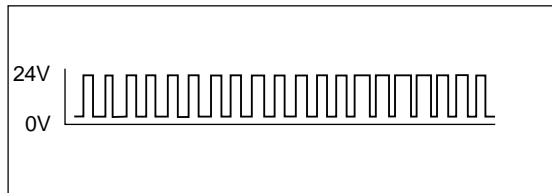
2. Signals

a. Input signal

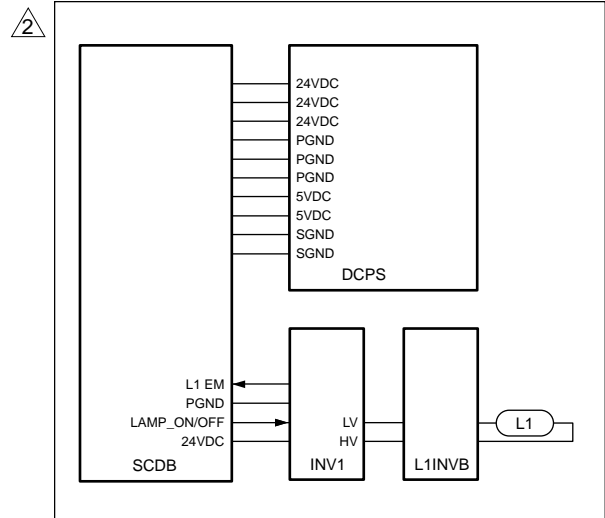
- (1) OPT_HOME (PS14 → SCDB)
Exposure unit's home position detect signal.
[L]: Exposure unit is in home position.
[H]: Exposure unit out of home position.

b. Output signal

- (1) M2 U, V, W (SCDB → M2)
M2 (Optical motor) ON/OFF drive signals.



[4] Exposure Control



Power for L1 (exposure lamp) is supplied by INV1 (exposure lamp inverter). This action is controlled by the SCDB (scanner drive board).

1. Operation

L1 is a xenon lamp, and is driven by an inverter circuit. Since the xenon lamp provides a stable light intensity with low heat generation, it does not require light intensity control circuit or overheat protection circuit.

2. Signals

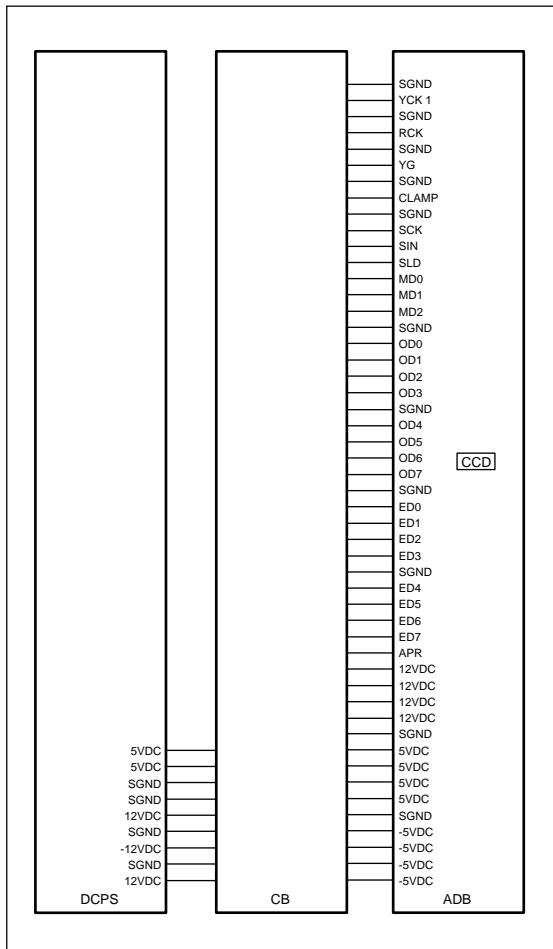
a. Input signal

- (1) L1 EM (INV1 → SCDB)
1NV1 error detect signal
Enabled only when LAMP_ON/OFF is ON [L].
[L]: L1 ON
[H]: L1 OFF
* L1 EM is always High when LAMP_ON/OFF is OFF [H].

b. Output signal

- (1) LAMP_ON/OFF (SCDB → INV1)
L1 ON/OFF control signal.
[L]: L1 ON
[H]: L1 OFF

[5] Original Reading Control



Original reading is carried out by the CCD sensor on the ADB (A/D conversion board).

1. Operation

The light from the exposure lamp reflects back from the original, passes through a lens, and hits the CCD sensor. The CCD sensor generates an analog electrical signal corresponding to the light intensity. The ADB (A/D conversion board) then converts this signal into a digital signal.

a. Original reading

The reading timing is as follows.

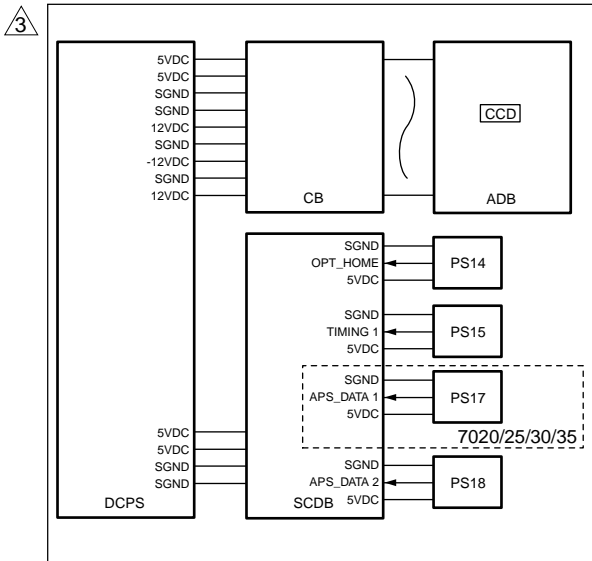
(1) Platen mode

Reading starts at a predetermined time interval after the START button is pressed and when the exposure unit has moved 6mm in the paper feed direction after PS14 (optics home position) goes OFF.

(2) DF mode

- ⚠ When the leading edge of the original turns ON PS311 (original registration PS) then moves a further 24.1 mm.

[6] APS Control



APS detection is carried out at opening or closing of the RADF cover or original cover, and is controlled by the SCDB (scanner drive board) based on signals from the APS sensors and CCD sensor. Related signals are provided by PS14 (optics home position PS), PS15 (APS timing PS) and by PS304 (DF open/close PS) on the RADF.

1. Operation

a. APS detect operation

APS detection operation differs according to whether operation is in platen mode or DF mode.

(1) Platen mode

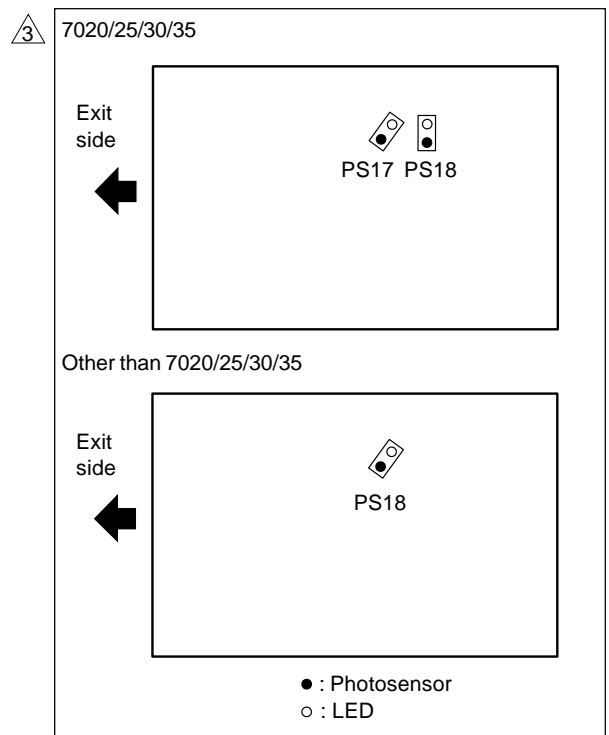
Caution : In the case of machines other than 7020/25/30/35, the PS17 (APS sensor 1) is not installed.

Size is detected by the combination of the ON/OFF action of PS17 and PS18 (APS sensor 2) and the detect signal from the CCD sensor on the ADB (A/D conversion board).

PS17 and PS18 detect the original size in the sub scanning direction, while the CCD sensor detects the size in the main scanning direction.

L1 is ON during APS detection, so that the illumination level (light or dark level) in the main scanning differs according to whether the original is present or absent. To detect line width (main scanning width), the CCD sensor detects the difference from sky shot black level to paper edge white level at each side. If the RADF is installed, original size detection in the main scanning is reexecuted when PS304 (DF open/close PS) comes ON, so as to confirm the original size.

The two APS sensors (PS17 and PS18) each consist of a photosensor and a LED. If the original is present at the sensor position, the light generated by the LED reflects from the original and is detected by the photosensor



(2) DF mode

Original size detection is carried out by ON/OFF action of PS306 (original size detect PS 1), and PS307 (original size detect PS 2), and by the resistance level of VR301 (original size detect VR) located in the RADF paper feed tray.

The following table shows the relation between the PS sensors and detected original sizes.

Sensor Original Size	PS17 PS306	PS18 PS307
A3	ON	ON
11 × 17	ON	ON
B4	ON	ON
8.5 × 14	ON	ON
F4(8.5 × 13R)	ON	ON
8.5 × 11R	ON	OFF
A4R	ON	OFF
A4	OFF	OFF
8.5 × 11	OFF	OFF
B5	OFF	OFF
A5	OFF	OFF
B5R	OFF	OFF
A5R	OFF	OFF
B6R	OFF	OFF

ON : Original detected
 OFF : Original not detected

⚠ Caution : In the case of machines other than the 7020/25/30/35, read PS17 in the above table as PS18. Also, note that the ON/OFF operation due to PS18 in the table does not take place.

b. APS detection timing

APS detection timing differs according to whether operation is in platen mode or DF mode.

(1) Platen mode

Detection is carried out when PS15 (APS timing PS) comes ON.

- If the RADF is installed, detection is carried out again when PS304 (DF open/close PS) comes ON.
- If the platen cover or RADF is open, detection is carried out when the START button comes ON.

(2) DF mode

If DF mode has been selected or if an original is set in the RADF paper feed tray, detection is carried out using PS306 (original size detect PS 1), PS307 (original size detect PS 2), and VR301 (original size detect VR).

2. Signals

a. Input signals

(1) TIMING1 (PS15 → SCDB)

RADF cover or platen cover open/close detect signal.

[L]: ON (Execute APS)

[H]: OFF (Cancel APS)

(2) APS_DATA1 (PS17 → SCDB)

⚠ (7020/25/30/35 only)

Original size detect signal.

[L]: Original detected.

[H]: Original not detected.

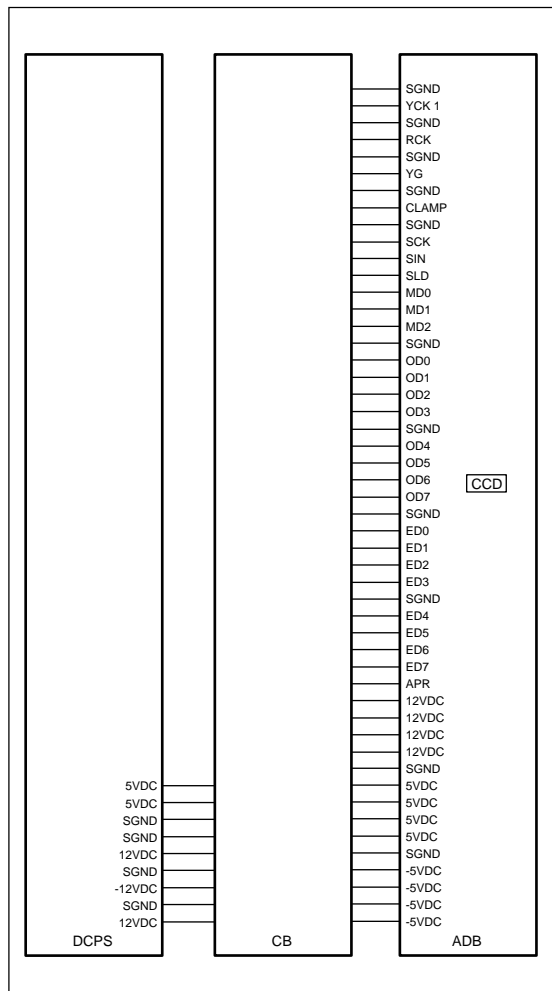
(3) ASP_DATA2 (PS18 → SCDB)

Original size detect signal.

[L]: Original detected.

[H]: Original not detected.

[7] AE Control



During AE scan, the CCD sensor on the ADB (A/D conversion board) reads the density level of the original. The CPU on the CB (overall control board) processes the data and, based on the results, selects the gamma correction curve that will best reproduce the original.

1. Operation

a. AE detect operation

(1) Platen copy

AE scanning is carried out when the START button is pressed. The operation measures density over the range described below.

<AE sampling range>

- 1) If the platen cover or RADF cover is open, sampling is carried out to the boundaries of the non image area erase or within the area detected by APS.
 - 2) If the platen cover or RADF cover is closed, scanning is carried out over the range from the center to 20mm away from each edge of the original, as detected by APS.
- If APS is unable to detect the size, sampling is carried out up to 20mm short of the minimum supported original size in each direction.

(2) DF mode (1-1)

Pressing the START button causes the original to feed. The leading area of the original is read, and density is measured based on the read data. The sampling range is as follows.

<AE sampling range>

1) In the main scanning direction

Sampling is carried out to the boundaries of the non image area erase or within the area detected by APS.

- Sampling is carried out over the range from the center to 20mm away from each edge of the original, as detected by APS.
- If APS is unable to detect the size, scanning is carried out up to 20mm short of the minimum supported original size in each direction.

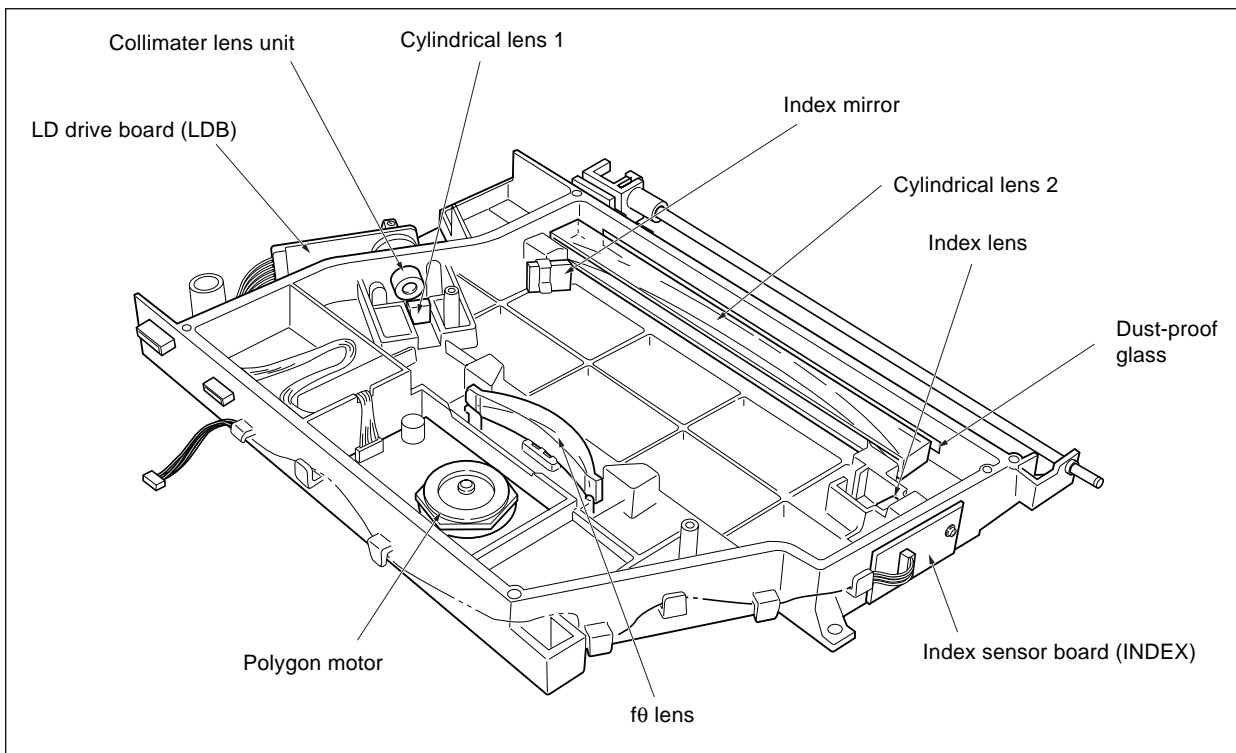
2) In the sub scanning direction

Sampling starts 1.5mm from the leading edge and ends 2.9mm from the leading edge.

Blank

WRITE UNIT

[1] Composition

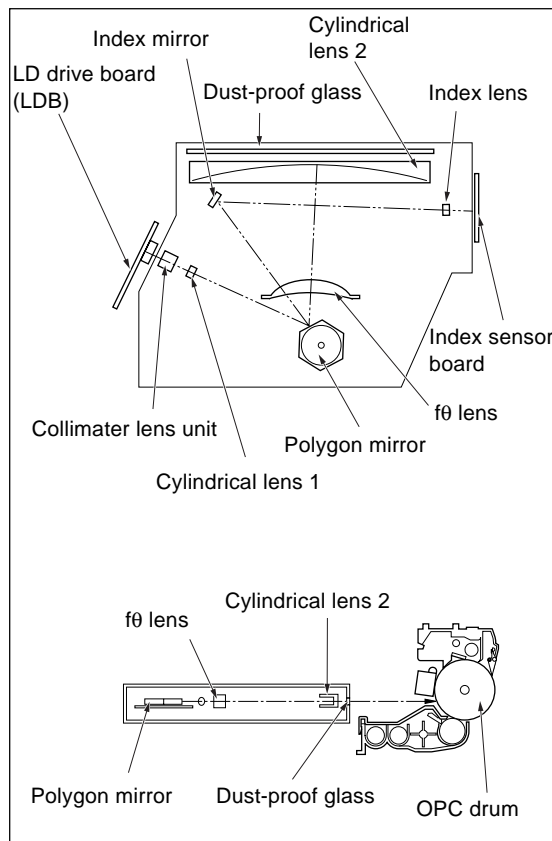


[2] Mechanisms

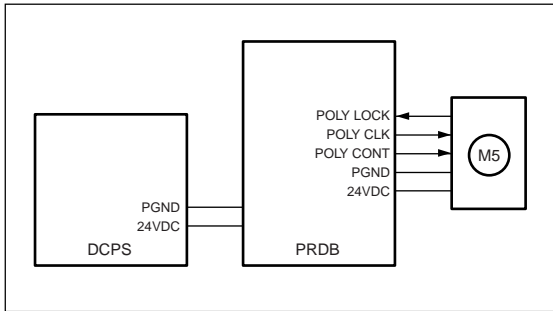
Mechanism	Method
Scan *	Polygon mirror
	Rotational speed ⚠ Other than 7035/7135 : 33070.9 rpm 7035/7135 : 42519.6 rpm
Light source	Laser diode • Output: Max. 5mW • Wavelength: 780nm
Positioning	Index sensor

* : Path of laser light

The light output from semiconductor laser is radiated onto the opc drum via the collimator lens, cylindrical lens 1, polygon mirror, fθ lens, cylindrical lens 2.



[3] M5 (Polygon Motor) Control



M5 (polygon motor) is controlled by the PRDB (printer drive board).

1. Operation

a. M5 is a brushless motor running on 24V DC power. The motor turns the polygon mirror, causing the laser beam from the LDB (LD drive board) to scan along the drum shaft direction. M5 includes an internal speed sensor, and utilizes PLL control to maintain a constant speed.

b. M5 rotation speed is as follows.

Machine State	Rotation Speed	
Copying	33070.9 rpm (Other than 7035/7135) 42519.6 rpm (7035/7135)	
Idling	Any of the following three speeds can be selected by using "25" mode.	
	Other than 7035/7135	7035/7135
	33070.9 rpm	42519.6 rpm
	16000 rpm*	25000 rpm*
	Stop*	

* If one of these speeds has been selected, M5 rotation speed will change at a specified time upon completion of warm up or completion of copy processing. You can select this time period, using "25" mode, to any of the following: 15 sec, 30 sec, 60 sec, 120 sec.

2. Signals

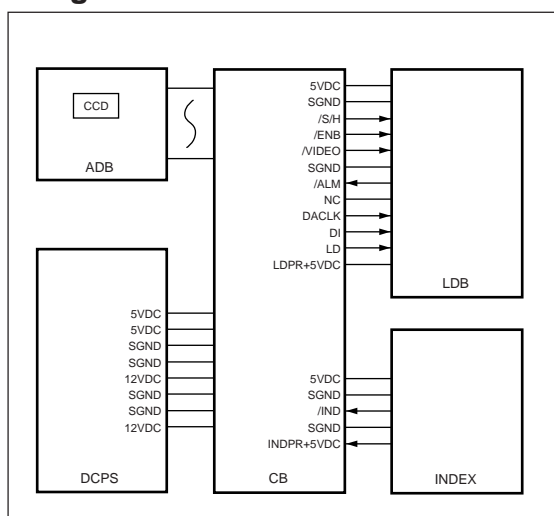
a. Input signal

- (1) POLY LOCK (M5 → PRDB)
M5 status detect signal.
[L] when M5 rotation reaches the rated speed.

b. Output signals

- (1) POLY CONT (PRDB → M5)
M5 drive control signal.
[L]: M5 ON
[H]: M5 OFF
- (2) POLY CLK (PRDB → M5)
Reference clock for M5 rotation control.

[4] Image Write Control



The CCD sensor outputs analog image data. The ADB (A/D conversion board) converts this data to digital form. The CB (overall control board) processes this data within memory, generating a laser recording signal. This signal is transmitted, by means of a CB control signal, to the LDB (LD drive board), and is output as an optical signal by the LDB's laser emitting element. The write start position for the laser recording signal is detected by the index sensor on the index sensor board.

1. Operation

3 a. Image processing

The CB carries out the following processing.

(1) AOC (automatic offset correction)

Reading is taken with SW2 (sub power switch) ON and L1 (exposure lamp) OFF, and the analog offset voltage for CCD sensor output is automatically adjusted such that this level become the lower limit for the A/D converter (In the case of the other than 7035).

In the case of the 7035, IC on ADB automatically adjusts analog off set voltage of CCD sensor output.

(2) AGC (automatic gain correction)

When SW2 comes ON, the level from the white reference board is read by turning ON the L1 (exposure lamp), and the analog amplification for the CCD sensor output is automatically adjusted such that this level becomes the upper limit for the A/D converter.

(3) Shading correction

Execution timing

White correction / Black correct

- At SW2 (sub power switch) ON

(4) Brightness/density conversion

(5) AE processing

(6) Text/dot pattern judgment

(7) Filtering

(8) Magnification change processing

(9) Error diffusion processing

(10) Data compression processing

(11) Write density correction

b. Write

CB transmits image data one pixel by one pixel to the LDB. The LDB emits the laser onto the drum in certain time for each pixel determined by the image data received from the CB.

(1) MPC (Maximum Power Control)

The CB informs LDB of the maximum laser output value. The LDB keeps and uses this value in APC (automatic power control) to maintain the laser intensity.

<MPC Timing>

- (1) After SW2 is set at ON when L detection adjustment has been completed or the drum counter has been reset.
- (2) When SW is turn ON first thing in the morning.
- (3) Every 20th copy during a continuous copy operation.

(2) APC (Automatic Power Control)

After the CB has set the MPC, it outputs an APC start command to the LDB in accordance with the following timing.

<APC Timing>

At detection of M5 (polygon motor) PLL lock. Thereafter, LDB automatically monitors the laser drive current for each line, and controls the laser such that the light intensity is always at MPC.

(3) Write timing

The index board's /IND signal determines the start time for laser writing of each scan in the drum shaft direction.

△ 2. **Signals**

a. Input signals

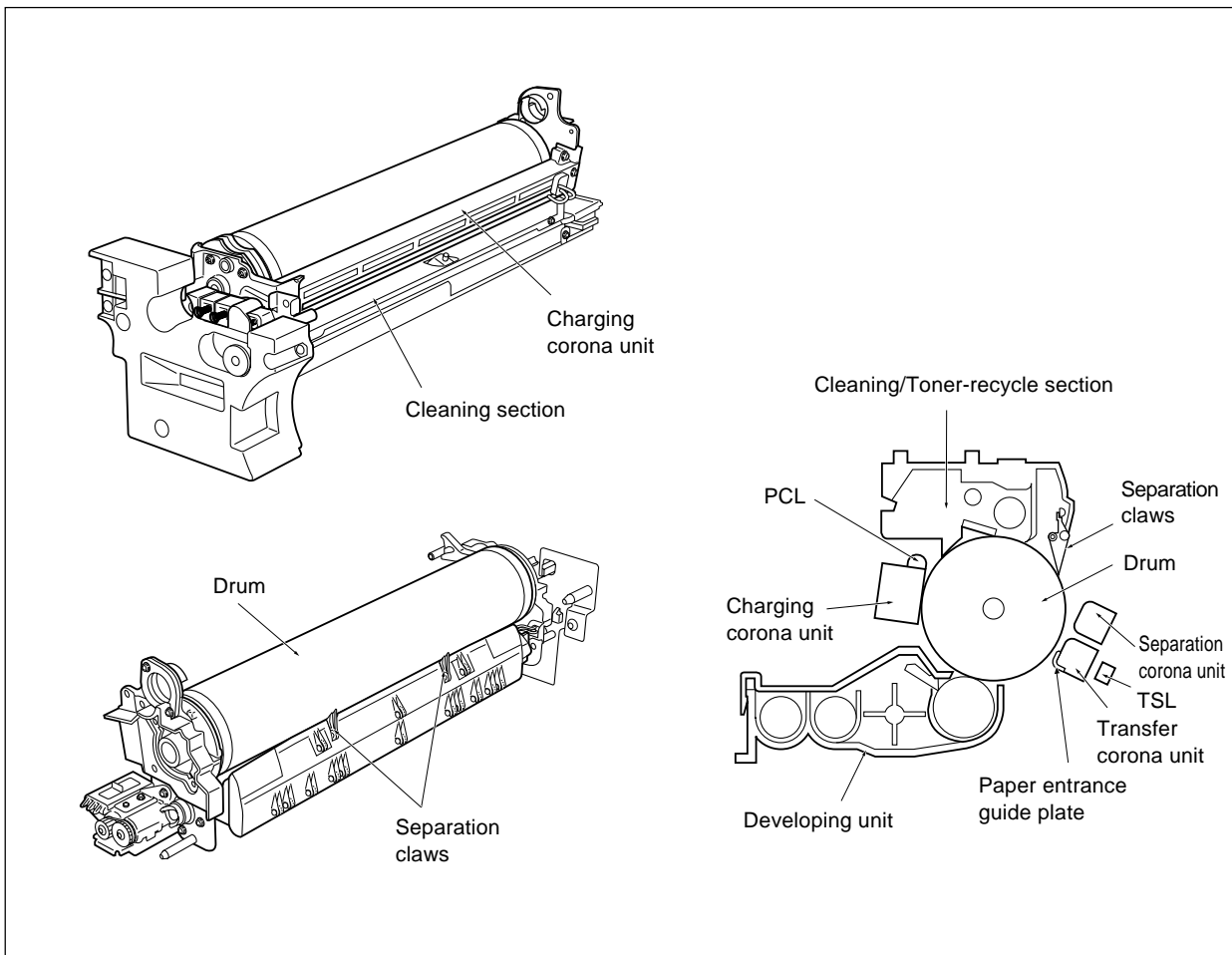
- (1) /IND (INDEX → CB)
Index signal for write system.
- (2) INDPR + 5VDC (INDEX → CB)
INDEX board detect connection monitor signal.
[H]: Not present
[L]: Present
- (3) /ALM (LDB → CB)
Indicates abnormality in laser drive current (APC operation).
[H]: Normal
[L]: Abnormal
- (4) LDPR + 5VDC (LDB → CB)
LDB connection monitoring signal.
[H]: Not present
[L]: Present

b. Output signals

- (1) /VIDEO (CB → LDB)
Image signal for / VIDEO laser.
- (2) DACLK (CB → LDB)
Clock signal used for transfer of MPC data.
- (3) DI (CB → LDB)
MPC data signal.
- (4) LD (CB → LDB)
MPC data memorize command signal.
- (5) /S/H (CB → LDB)
APC sampling signal (for one line).
- (6) /ENB (CB → LDB)
ON/OFF control signal for laser APC function. If OFF, laser output is stopped.

DRUM UNIT

[1] Composition



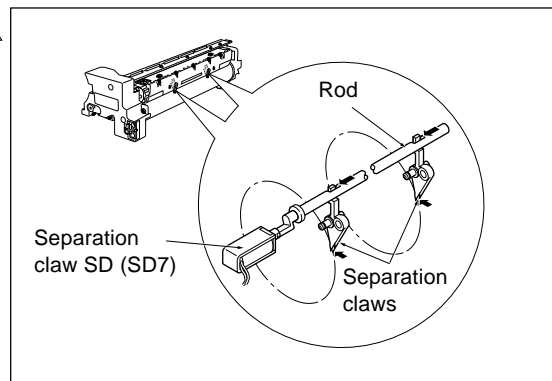
[2] Mechanisms

Mechanism	Method
Pedestal hold	Fixed rail
PCL	LED
Auxiliary separation	Separation claws *

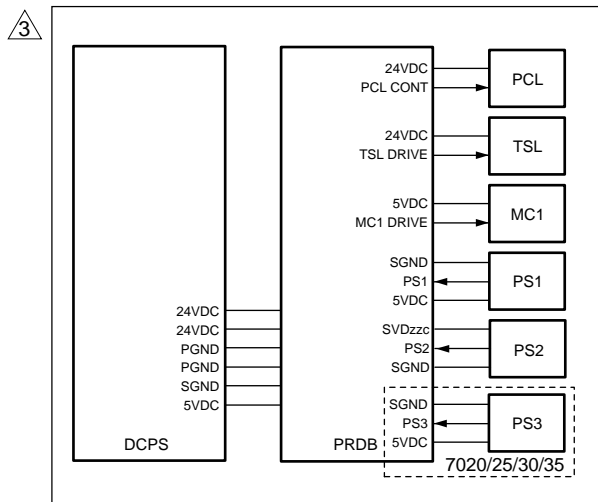
The drum unit is a single unit consisting of the drum, the charging corona unit, the cleaning, toner recycle section, and the PCL.

* : Operation of the separation claws

When SD7 (separation claw SD) is activated, the rod connected to it moves such that the cutouts on the rod allow the claws to fall into contact with the drum under their own weight. The contact of the claws aids in paper separation.



[3] PCL/TSL Control



The PCL (pre-charging lamp) and TSL (transfer synchronization lamp) are LED type lamps, and are controlled by the PRDB.

1. Operation

⚠ PCL lights when the START button is pressed, and goes OFF after the specified period from when PS3 (paper exit PS) (or PS2 (fixing exit PS) for machines other than the 7020/25/30/35) goes OFF (when the final sheet of copy paper is exited). TSL comes ON at a predetermined time interval after MC1 (registration clutch) comes ON, and goes OFF at a predetermined time interval after PS1 (registration PS) goes OFF.

2. Signals

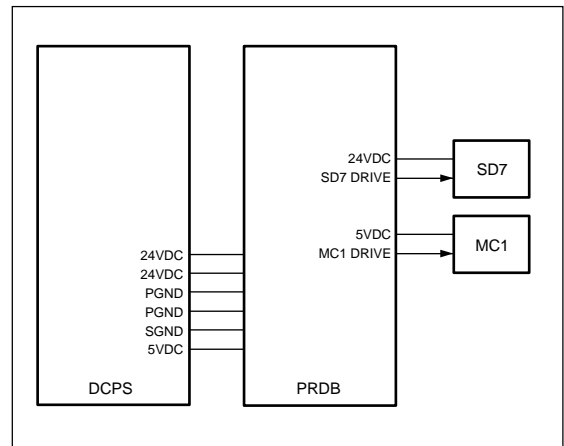
a. Input signal

- (1) PS1 (PS1 → PRDB)
Detection of paper at paper feed temporary stop position.
[H] when paper is detected.

b. Output signals

- (1) PCL DRIVE (PRDB → PCL)
PCL ON/OFF control signal.
[L]: PCL ON
[H]: PCL OFF
- (2) TSL DRIVE (PRDB → TSL)
TSL ON/OFF control signal.
[L]: TSL ON
[H]: TSL OFF

[4] Separation Claws Control



The separation claws are driven by SD7 (separation claw SD), which is controlled by the PRDB (printer drive board).

1. Operation

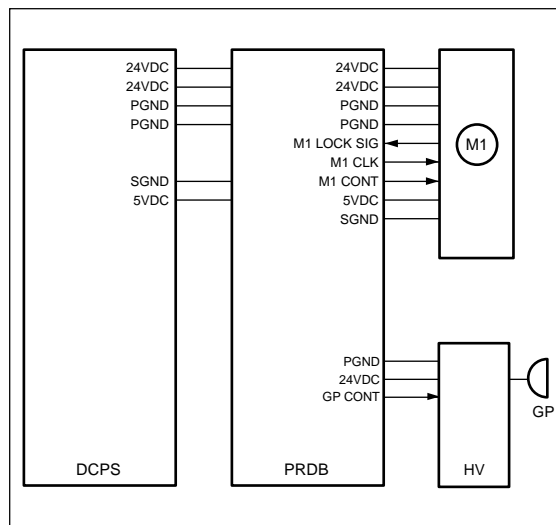
SD7 comes ON at a predetermined interval after MC1 (registration clutch) comes ON, causing the separation claws to make contact with the drum so as to assist in separating the paper from the drum.

2. Signals

a. Output signal

- (1) SD7 DRIVE (PRDB → SD7)
SD7 drive control signal.
[L]: SD7 ON
[H]: SD7 OFF

[5] Paper Entrance Guide Plate Control



A fixed voltage is applied to the paper entrance guide plate so as to prevent toner from sticking to the plate.

1. Operation

a. ON/OFF timing

ON/OFF in sync with M1 (main motor).

b. Applied voltage

–500V DC (constant voltage)

2. Signals

a. Output signal

(1) GP CONT (PRDB → HV)

Controls application of fixed voltage to the paper entrance guide plate.

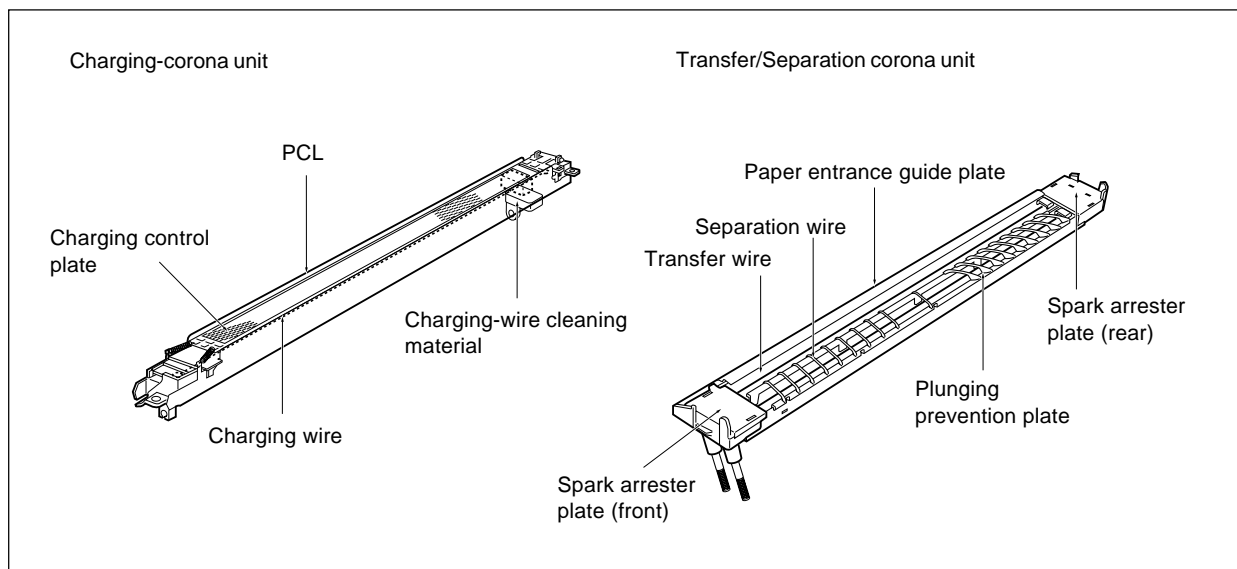
[L]: Voltage applied

[H]: No voltage

Blank

CORONA UNIT

[1] Composition



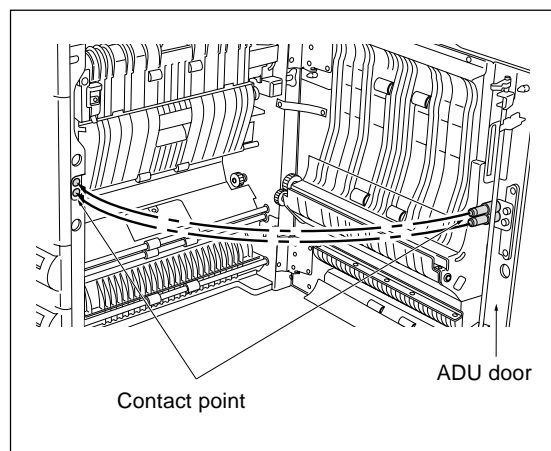
[2] Mechanisms

Mechanism	Method
Charging	Scorotron (DC negative corona discharge) Discharge wire: Tungsten, $\phi 0.06\text{mm}$ (gold-plated skin path) Grid control: Stainless-steel plate with manual wire cleaning feature
Transfer	DC positive corona discharge Discharge wire: Oxide-coated tungsten, $\phi 0.06\text{mm}$ with manual wire cleaning feature
Separation	AC/DC corona discharge Discharge wire: Oxide-coated tungsten, $\phi 0.06\text{mm}$ with manual wire cleaning feature

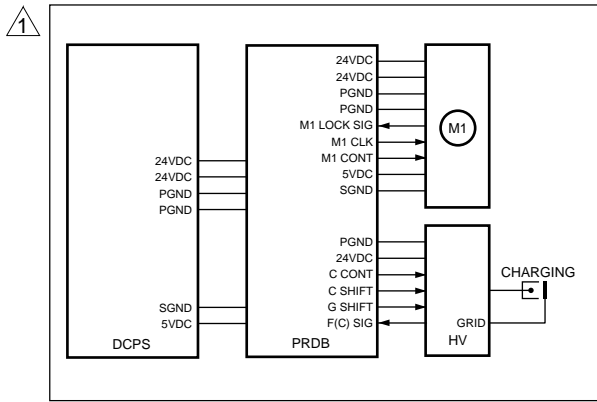
Power supply to the Transfer/Separation corona unit

⚠ Caution: Do not carry out copying with the ADU door open by forcibly setting the interlock ON, as doing so will generate high-voltage output at the contacts (springs) on the main-body board.

Closing of the ADU door establishes the connection to the power supply.



[3] Charging Control



The HV (high voltage unit) carries out charging by outputting a high voltage onto the charging wire.

The HV is controlled by analog control signals output from the PRDB (printer drive board).

1. Operation

The HV comes ON together with M1 (main motor), and goes OFF at a predetermined time interval after transfer output for the final sheet goes OFF.

a. Charging

An inverter boosts the 24VDC power from the DCPS, generating a high negative DC voltage that is discharged from the charging wire.

b. Grid voltage

The HV applies grid voltage to the charging control plate.

2. Signal

a. Input signal

- (1) F (C) SIG (HV → PRDB)

[L] if charge output has been forcibly switched OFF owing to detection of spark or occurrence of output short.

b. Output signals

- (1) C CONT (PRDB → HV)

Charge voltage and grid voltage ON/OFF control signal.

[L]: Charge and grid voltages ON

[H]: Charge and grid voltages OFF

- (2) C SHIFT (PRDB → HV)

Analog signal from PRDB; controls the output level of the charging corona unit.

C SHIFT output range	4 to 10V
Charging output range	-100 to -650μA

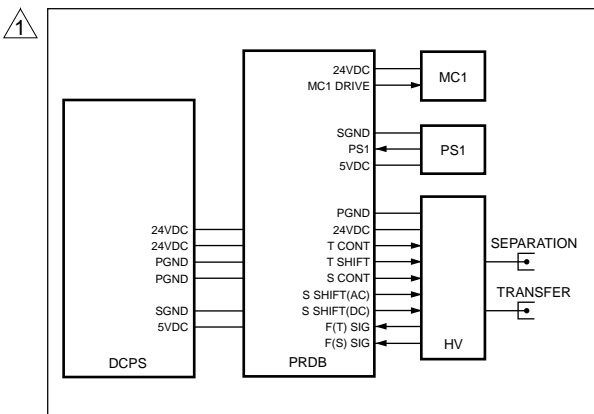
- (3) G SHIFT (PRDB → HV)

Analog signal from PRDB; controls the output level of the grid voltage.

⚠

G SHIFT output range	4 to 10V
Grid voltage output range	-450 to -1090V

[4] Transfer/Separation Control



The transfer/separation corona units are controlled by the PRDB (printer drive board) and the HV (high voltage unit).

1. Operation

Transfer and separation come ON at predetermined intervals after M1 (main motor) comes ON, and go OFF at predetermined intervals after PS1 (registration PS) goes OFF.

a. Transfer

Constant current is applied so as to produce a high voltage DC discharge.

b. Separation

Constant voltage is applied to produce a high voltage AC discharge, and constant current is applied to produce high voltage DC discharge.

2. Signals

a. Input signals

(1) F (T) SIG (HV → PRDB)

[L] if transfer output has been forcibly switched OFF owing to detection of spark or occurrence of output short.

(2) F (S) SIG (HV → PRDB)

[L] if separation output has been forcibly switched OFF owing to detection of spark or occurrence of output short.

b. Output signals

(1) T CONT (PRDB → HV)

Transfer corona unit ON/OFF control signal.

[L]: Transfer corona unit ON

(2) T SHIFT (PRDB → HV)

Transfer corona unit output control signal.

Analog signal from PRDB; controls the output level of the transfer corona unit.

T SHIFT output range	4 to 10V
Transfer output range	0 to 350 μ A

(3) S CONT (PRDB → HV)

Separation corona unit ON/OFF control signal.

[L]: Separation corona unit ON

(4) S SHIFT (AC) (PRDB → HV)

Separation corona unit output control signal.

Analog signal from PRDB; controls the level of the AC component of the separation corona unit.

S SHIFT (AC) output range	3 to 10V
Separation AC output range	1.5 to 5.0kV

(5) S SHIFT (DC) (PRDB → HV)

Separation corona unit output control signal.

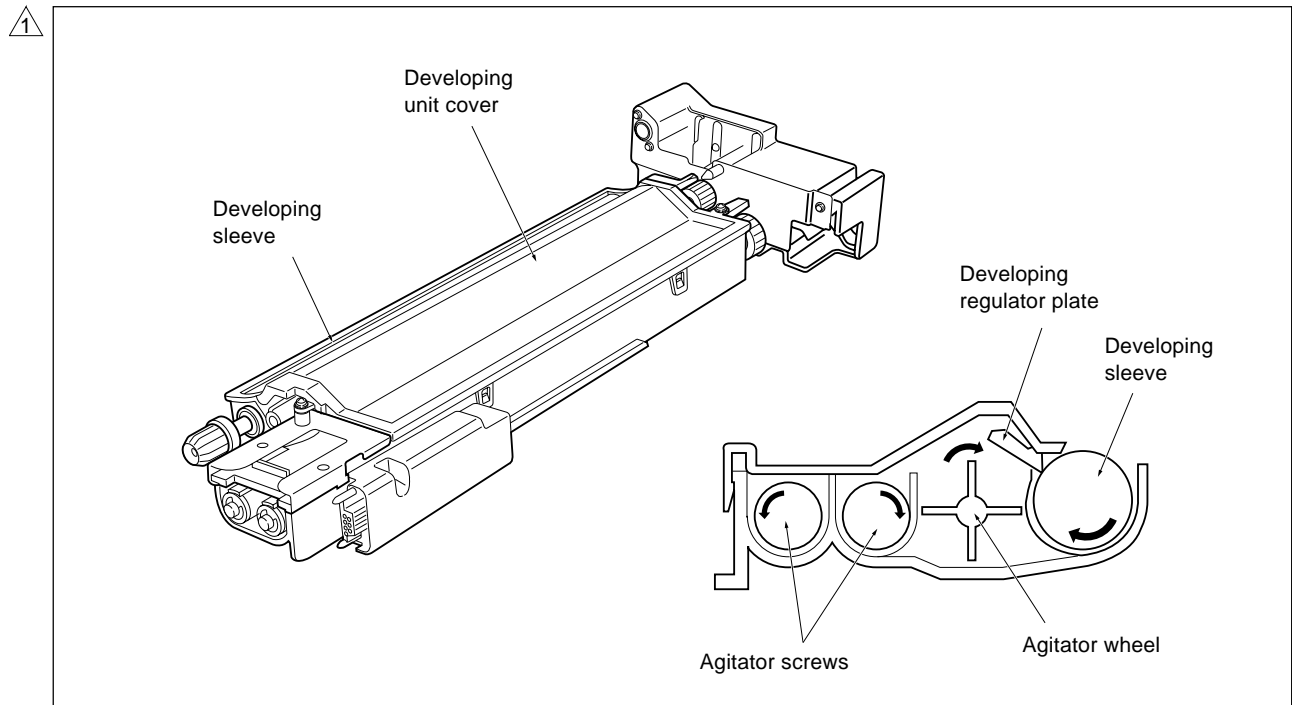
Analog signal from PRDB; controls the level of the DC component of the separation corona unit.

S SHIFT (DC) output range	4 to 10V
Separation DC output range	0 to -300 μ A

Blank

DEVELOPING UNIT

[1] Composition



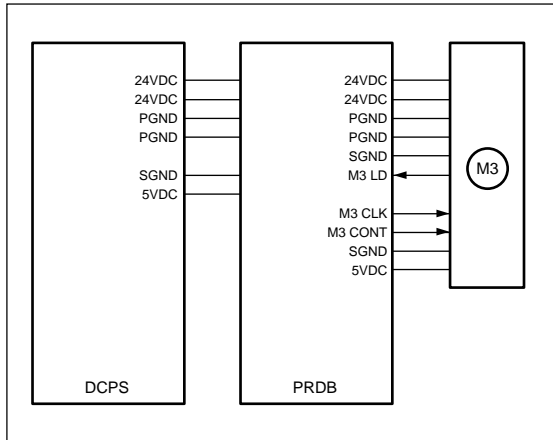
[2] Mechanisms

Mechanism	Method
Developing	2-component developing
Developing bias	DC bias
Developer agitation	Main and supplemental agitation

Developing unit drive

The developing unit is driven by two different motors. The developing motor (M3) drives the developing sleeve, while the main motor (M1) drives the agitator section.

[3] M3 (Developing Motor) Control



M3 (developing motor) is controlled by the PRDB (printer drive board).

1. Operation

M3 runs on 24V DC power, and drives the developing sleeve. M1 drives the agitator wheel and agitator screws. (For information about M1, refer to “M1 (Main motor) control.”) M3 includes an internal speed sensor, and utilizes PLL control to maintain a constant speed, using a reference clock signal output by PRDB.

M3 goes ON and OFF in sync with M1.

2. Signals

a. Input signal

- (1) M3 LD (M3 → PRDB)

M3 status detect signal.

Goes [L] when M3 rotation reaches the rated speed.

[H]: Stopped, or rotating at other than rated speed.

[L]: Rotating at rated speed. (PLL: stable)

b. Output signals

- (1) M3 CONT (PRDB → M3)

M3 drive control signal.

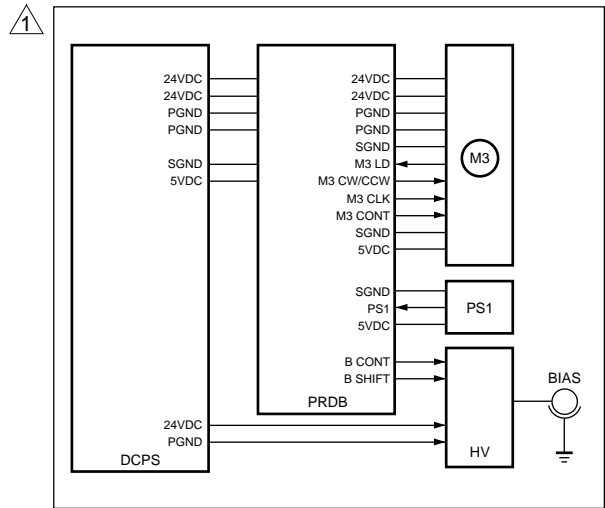
[L]: M3 ON

[H]: M3 OFF

- (2) M3 CLK (PRDB → M3)

Reference clock for M3 rotation control.

[4] Developing Bias Control



Developing bias is controlled by the PRDB (printer drive board) and the HV (high voltage unit).

1. Operation

Application of developing bias to the developing sleeve starts a predetermined time interval after M3 (developing motor) comes ON, and ends a predetermined time interval after charging goes OFF.

2. Signals

a. Output signals

- (1) B CONT (PRDB → HV)

Developing bias ON/OFF control signal.

[L] sets developing bias ON and outputs high voltage.

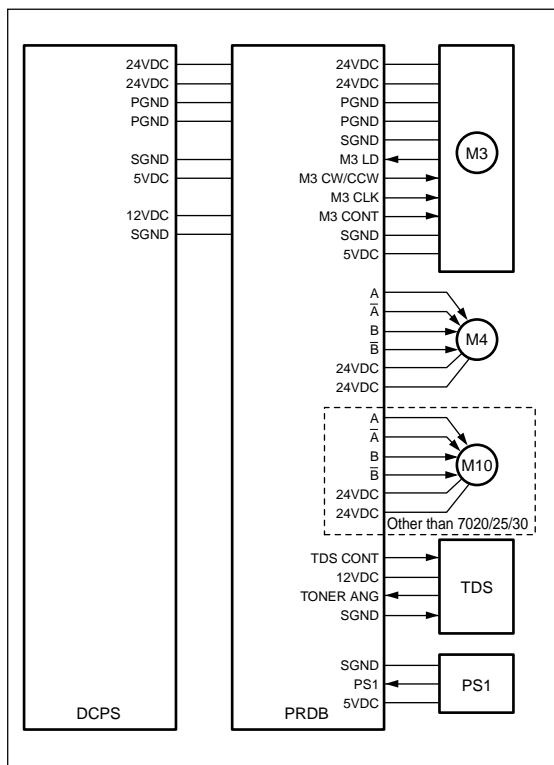
- (2) B SHIFT (PRDB → HV)

Developing bias level control signal.

Analog signal from PRDB; controls the developing bias output level.

B SHIFT output range	2 to 8V
Bias-Voltage output range	-350 to -830V

[5] Toner Density Control



Toner density is controlled by the TDS (toner density sensor), M4 (toner supply motor 1), M10 (toner supply motor 2: other than 7020/25/30) and the PRDB (printer driver board).

1. Operation

a. Toner density control

The TDS uses L detection to detect the toner density in the developing unit, and outputs to the PRDB an analog signal corresponding to the detected density.

The PRDB determines whether toner supply is necessary by comparing the detected value against the developer's initial density.

b. Supply of toner to the developing unit

M4 and M10 (other than 7020/25/30) are stepping motor running on 24VDC. Drive time is controlled by the PRDB.

(1) When the power switched ON

Following power on, M1 (main motor) turns the agitator screws, and after a predetermined time interval the TDS reads the toner density. The PRDB compares the density detected by TDS with the developer's initial density. If the detected density is low, M4 and M10 (other than 7020/25/30) comes on and supplies toner until the proper density level is restored.

(2) During a copy operation

The following table shows the relation between TDS output voltage and toner supply time.

4 7020/25/30/35

TDS output voltage	Replenishment Time
≤ 2.00 (2.01) V	0 sec.
2.01 to 2.05 (2.04) V	0.24 (0.10) sec.
2.06 (2.04) to 2.09 (2.08) V	0.48 (0.20) sec.
2.10 (2.08) to 2.13 (2.12) V	0.72 (0.30) sec.
2.14 (2.12) to 2.17 (2.19) V	0.96 (0.40) sec.
2.18 (2.19) to 2.21 (2.35) V	1.20 (0.50) sec.
≥ 2.22 (2.35) V	1.80 (0.70) sec.

Parentthesized values are for the 7035

4 7022/7130/7135

TDS output voltage	Replenishment Time
≤ 2.00 V	0 sec.
2.01 to 2.07 V	0.10 sec.
2.08 to 2.15 V	0.20 sec.
2.16 to 2.22 V	0.30 sec.
2.23 to 2.30 V	0.40 sec.
2.31 to 2.38 V	0.50 sec.
≥ 2.39 V	0.70 sec.

2. Signals

a. Input signal

(1) TONER ANG (TDS → PRDB)

Outputs an analog voltage corresponding to the toner density.

b. Output signals

(1) TDS CONT (PRDB → TDS)

TDS output voltage adjustment signal.

Output range: 3 to 8 V

(2) M4 A, \bar{A} , B, \bar{B} (PRDB → M4)

M4 drive control signals.

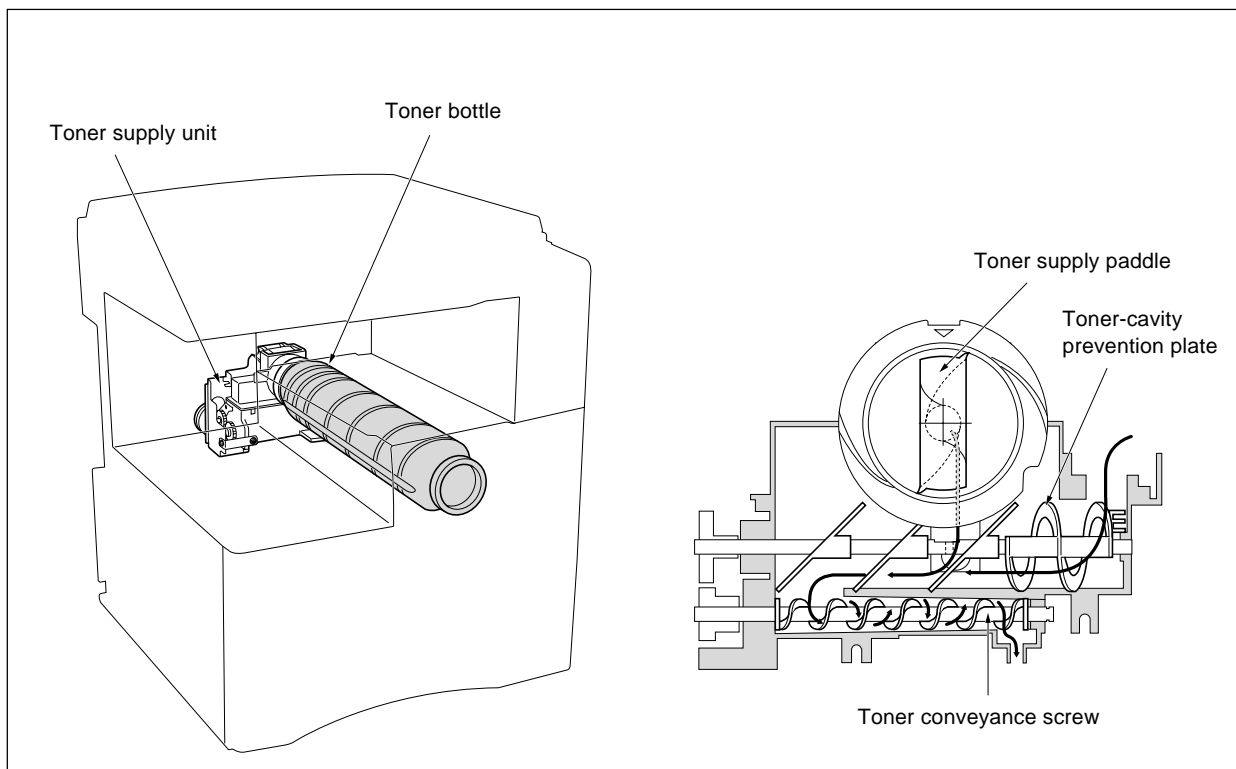
(3) M10 A, \bar{A} , B, \bar{B} (PRDB → M10)

M10 drive control signals. (other than 7020/25/30)

Blank

TONER SUPPLY UNIT

[1] Composition



[2] Mechanisms

Mechanism	Method
Toner supply	Screw conveyance
Toner level detection	Piezoelectric method: Approx. 30g
Toner agitation *1	Toner agitator plate + screw
Toner bottle *2	Rotation cartridge
Toner leak prevention	Toner supply shutter

*1: Toner agitation

The toner agitator plate is powered by the toner supply motor 1 (M4) via gears.

*2: Toner bottle

<Operation in the case of the 7020/25/30>

The toner bottle rotates while the toner bottle SD (SD6) is ON. This rotation is driven by the toner supply motor 1 (M4). Rotation causes the toner to move toward the bottle outlet along the spiral groove cut into the bottle surface.

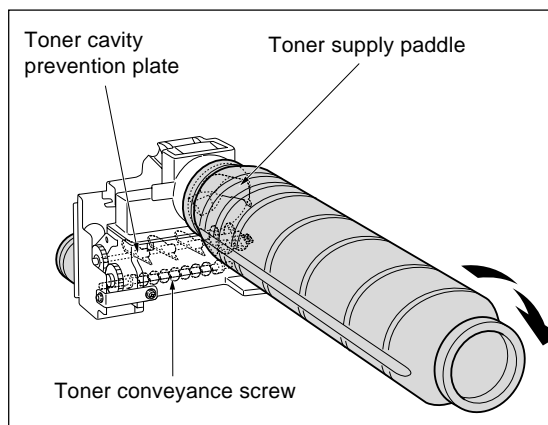


<Operation in the case of the other than 7020/25/30>

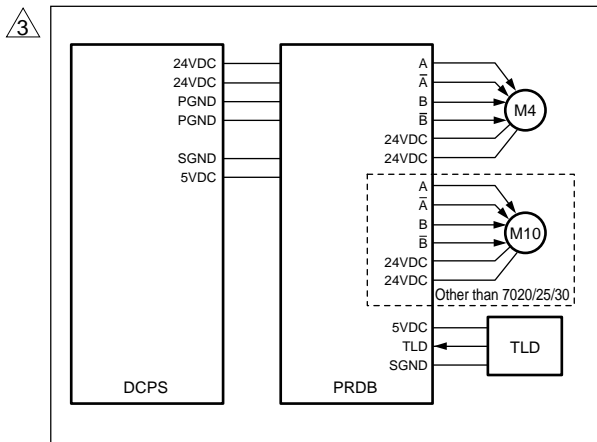
When toner supply motor 2 (M10) goes ON, the toner bottle rotates, causing the toner to move along the spiral groove cut in the surface of the toner bottle to the outlet of the toner bottle.

<Common Operation>

At the outlet of the toner bottle is a toner supply paddle which pushes the toner to the agitation/conveyance section of the toner supply unit along with the rotation of the toner bottle.



[3] Toner Level Detection Control



Control of toner level detection is carried out by the TLD (toner level detector) and the PRDB (printer control board).

1. Operation

a. Toner level detection

The TLD uses a piezo element. When TLD detects that toner in the cartridge has run low, it outputs a toner supply signal to the PRDB, generating a message on the LCD (display board).

b. Detection timing

Detection is carried out at the following times.

- During copying

c. Toner supply operation to toner supply unit

<Operation in the case of the 7020/25/30>

When TLD detects that toner is empty, SD6 (toner-bottle SD) goes ON and engages the gear. When M4 (toner supply motor 1) goes ON, the bottle turns, sending new toner to the toner supply unit.

△ <Operating in the case of the other than 7020/25/30>

When the TLD detects that the toner is empty up, M10 (toner supply motor 2) goes ON and rotates the toner bottle, causing new toner to be supplied to the toner supply unit.

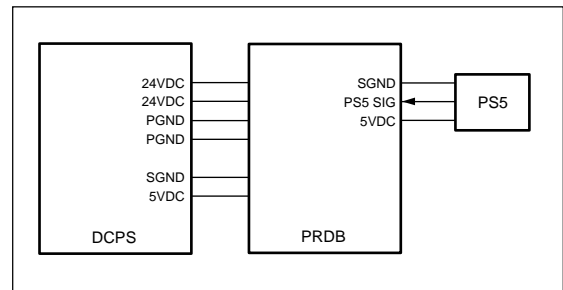
2. Signals

a. Input signal

- (1) TLD (TLD → PRDB)

Goes [L] when the quantity of toner in the toner cartridge runs low. If [L] state continues for a predetermined period, a corresponding message is displayed in the LCD.

[4] Toner Bottle Detection Control



PS5 (toner bottle PS) detects the presence or absence of the toner bottle.

1. Operation

PS5 detects mounting of the toner bottle, and the machine enters copy standby.

2. Signal

a. Input signal

- (1) PS5 SIG (PS5 → PRDB)

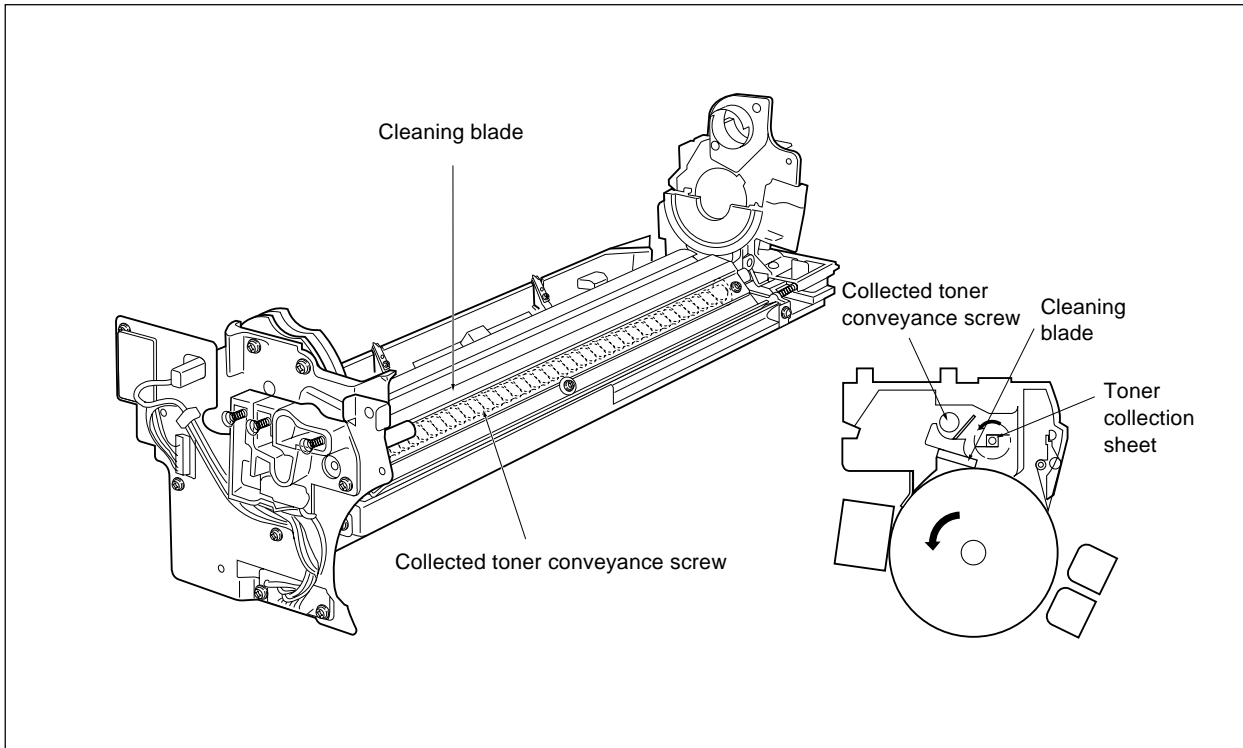
Toner bottle detect signal.

[H]: Toner bottle not present.

[L]: Toner bottle is present.

CLEANING/TONER RECYCLE UNIT

[1] Composition

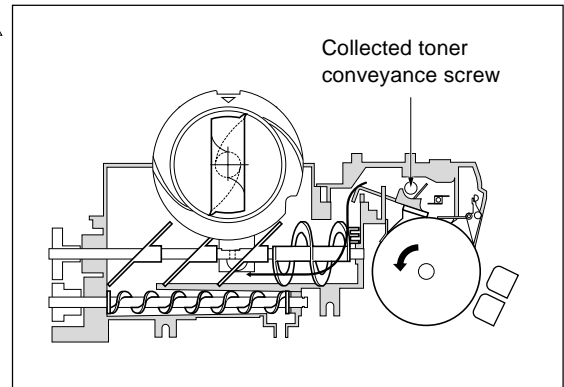


[2] Mechanisms

Mechanism	Method
Drum cleaning	Cleaning blade (spring load type)
Toner recycle*	Toner conveyance by screw
Toner collection	Toner collection sheet

*Toner recycle

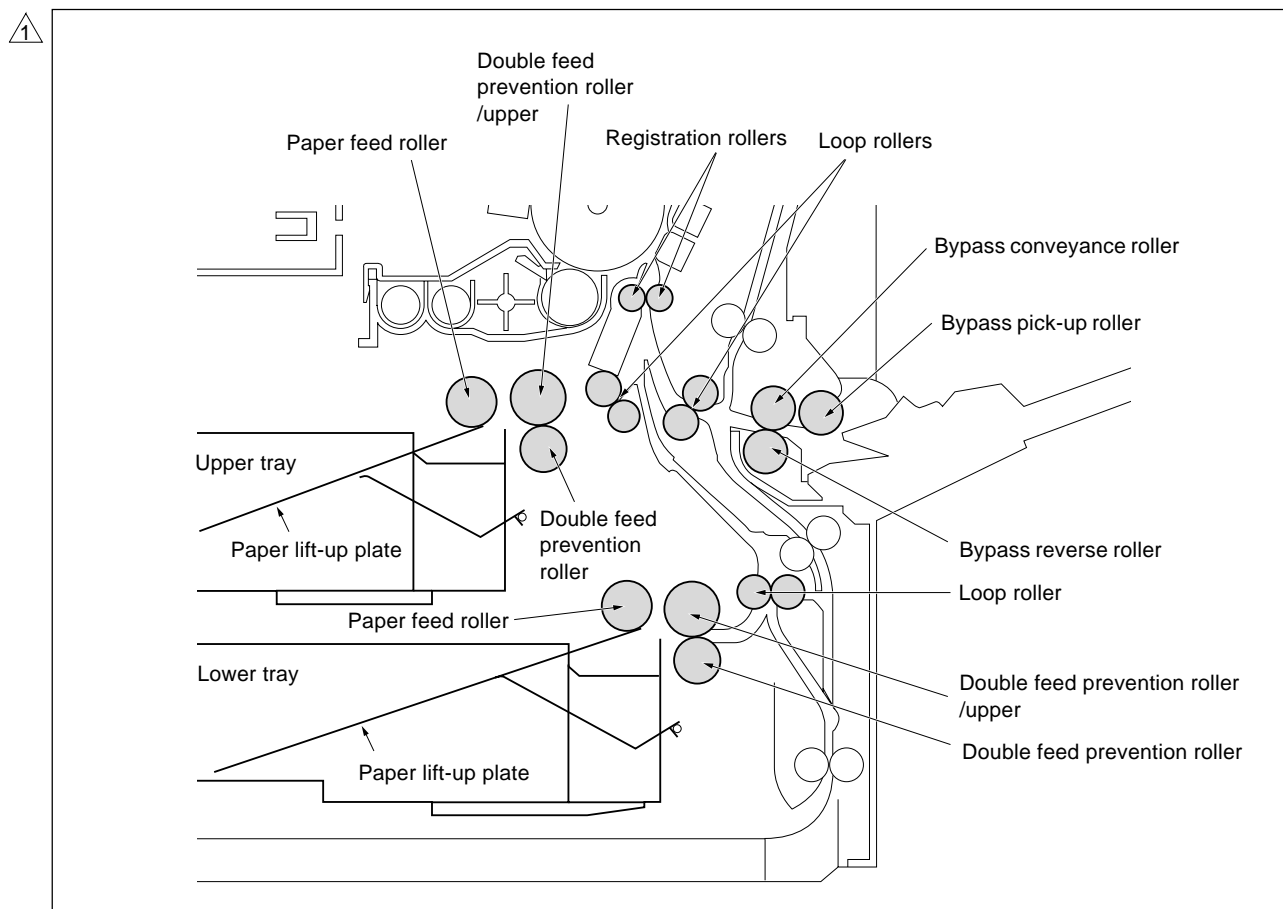
Toner collected by the cleaning blade is conveyed to the collected toner exit (and returned to the toner supply unit) by the action of the collected toner conveyance screw.



Blank

PAPER FEED UNIT

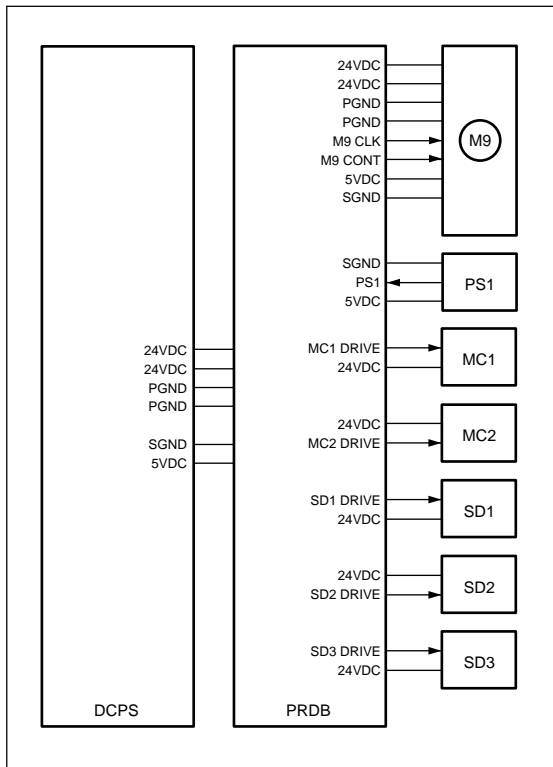
[1] Composition



[2] Mechanisms

Mechanism	Method
Paper stacking	Two trays
Paper lift-up	Paper lift-up plate
Double feed prevention	Torque limiter
Tray loading	Front loading
First paper feed	Paper feed SD Paper feed roller Loop clutch Loop roller
Second paper feed	Registration clutch Registration rollers
By-pass feed	By-pass feed SD By-pass conveyance rollers Loop roller
Paper size detection	Paper size setting unit

[3] Paper Feed Control



M9 (paper feed motor) drive power is transmitted to the various rollers by means of SD1 (first paper feed SD (upper tray)), SD2 (first paper feed SD (lower tray)), and SD3 (bypass SD). When M9 first comes ON, no rollers are in contact with paper; accordingly, SD1, SD2, or SD3 operate to raise or lower the feed rollers or bypass plate so as to make contact with paper and initiate feeding.

When SD1 (first paper feed SD) comes ON, MC2 (loop clutch) also comes ON at the same time, conveying the paper up to the registration rollers. PS1 (registration PS) detects the leading edge of the paper, MC2 goes OFF, and the paper is formed into a loop. When the drum charge stabilizes, MC1 (registration) and MC2 both come ON to drive the second paper feed.

Paper feed operations are controlled by the PRDB (printer drive board).

1. Operation

a. Timing for first paper feed (bypass)

- (1) Start for first sheet
At a predetermined time interval after START button ON.
- (2) Start for second sheet
At a predetermined time interval after first sheet SD3 ON.
- (3) OFF timing
At a predetermined time interval after SD3 ON.

b. Timing for first paper feed (upper tray)

- (1) Start for first sheet
At a predetermined time interval after START button ON.
- (2) Start for second sheet
At a predetermined time interval after first sheet SD1 ON.
- (3) OFF timing
At a predetermined time interval after SD1 ON.

c. Timing for first paper feed (lower tray)

- (1) Start for first sheet
At a predetermined time interval after START button ON.
- (2) Start for second sheet
At a predetermined time interval after first sheet SD2 ON.
- (3) OFF timing
At a predetermined time interval after SD2 ON.

d. Control for second paper feed (MC1)

- (1) ON timing
At a predetermined time interval after PS1 ON.
- (2) OFF timing
At a predetermined time interval after PS1 OFF.

e. Control of paper feed loop formation (MC2)

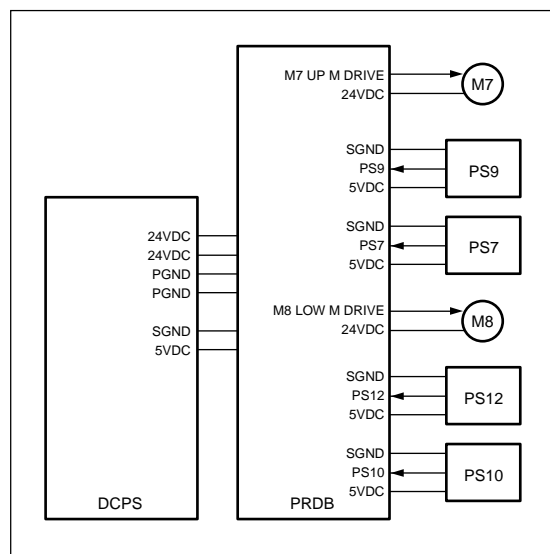
- (1) ON timing
At the same time as SD1 ON, SD2 ON or SD3 ON.
- (2) OFF timing
At a predetermined time interval after PS1 ON.

2. Signals

a. Output signals

- (1) M9 CONT (PRDB → M9)
M9 drive control signal.
[L]: M9 ON
[H]: M9 OFF
- (2) M9 CLK (PRDB → M9)
Reference clock for M9 rotation control.
- (3) SD1 DRIVE (PRDB → SD1)
[L]: SD1 ON
[H]: SD1 OFF
- (4) SD2 DRIVE (PRDB → SD2)
[L]: SD2 ON
[H]: SD2 OFF
- (5) SD3 DRIVE (PRDB → SD3)
[L]: SD3 ON
[H]: SD3 OFF
- (6) MC1 DRIVE (PRDB → MC1)
MC1 drive control signal.
[L]: MC1 ON
[H]: MC1 OFF
- (7) MC2 DRIVE (PRDB → MC2)
MC2 drive control signal.
[L]: MC2 ON
[H]: MC2 OFF

[4] Paper Up Down Control



When a tray is set into the machine, its presence is detected by PS9 (tray detect PS (upper)) or PS12 (tray detect PS (lower)), which in turn causes M7 (tray motor (upper)) or M8 (tray motor (lower)) to come ON for a fixed interval so as to raise the tray's bottom plate. Signals related to this operation are PS7 (upper limit detect PS (upper)) and PS10 (upper limit detect PS (lower))

1. Operation

a. ON timing

PS9 ON causes M7 ON. PS12 ON causes M8 ON.

b. OFF timing

PS7 ON causes M7 OFF. PS10 ON causes M8 OFF.

2. Signals

a. Input signals

(1) PS9 (PS9 → PRDB)

Upper tray detect signal.

[L]: tray is present;

[H]: tray is not present.

Detection of the tray causes M7 to raise the paper in the upper tray.

(2) PS12 (PS12 → PRDB)

Lower tray detect signal.

[L]: tray is present;

[H]: tray is not present.

Detection of tray causes M8 to raise the paper in the lower tray.

(3) PS7 (PS7 → PRDB)

Upper limit detect signal for upper tray.

Goes [H] when paper in the upper tray has been raised to the upper limit, causing M7 to go OFF.

(4) PS10 (PS10 → PRDB)

Upper limit detect signal for lower tray.

Goes [H] when paper in the lower tray has been raised to the upper limit, causing M8 to go OFF.

b. Output signals

(1) M7 DRIVE (PRDB → M7)

M7 drive control signal.

[L]: M7 ON

[H]: M7 OFF

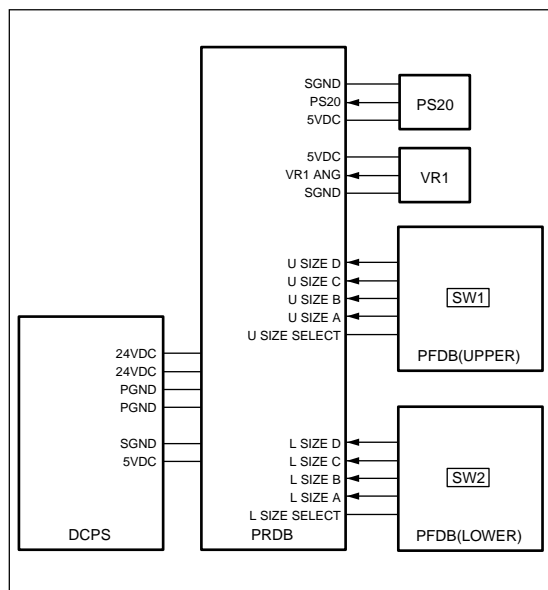
(2) M8 DRIVE (PRDB → M8)

M8 drive control signal.

[L]: M8 ON

[H]: M8 OFF

[5] Paper Size Detection Control



Tray paper size is detected by the PRDB (printer driver board) based on detection signals issued from the PFDBs (paper feed detection boards). Detection of paper size in the by-pass tray is carried out by PS20 (bypass tray paper size detect PS) and VR1 (bypass tray paper size VR).

1. Operation

a. Paper size detection for upper and lower trays

Paper size for the upper tray is set by SW1 on PFDB (UPPER), and paper size for the lower tray is set by SW2 on PFDB (LOWER). The PRDB detects the switch signals output in accordance with position of each of these switches. The following table shows the relation between switch signals and paper size.

For U.S.A.

Paper size		Switching			
Tray1	Tray2	SIZE A	SIZE B	SIZE C	SIZE D
8.5 x 14	11 x 17				
B5R	A5R	○			
B4	A4		○		
A5R	A4R	○	○		
A4	A3			○	
A4R	F4	○		○	
F4	5.5 x 8.5		○	○	
5.5 x 8.5	8.5 x 11	○	○	○	
8.5 x 11	8.5 x 11R				○
8.5 x 11R	8.5 x 14	○			○

For Europe

Paper size		Switching			
Tray1	Tray2	SIZE A	SIZE B	SIZE C	SIZE D
8.5 x 14	11 x 17				
B5	B5	○			
B4	B4		○		
A5R	A5R	○	○		
A4	A4			○	
A4R	A4R	○		○	
F4	A3		○	○	
5.5 x 8.5	F4	○	○	○	
8.5 x 11	8.5 x 11				○
8.5 x 11R	8.5 x 11R	○			○

b. Paper size detection for bypass tray

Paper length in the by-pass tray is detected by PS20 ON/OFF. Paper width in the bypass tray is detected by VR1, whose resistance value changes in accordance with the tray's guide position.

2. Signals

a. Input signals

(1) PS20 (PS20 → PRDB)

Paper length detection signal for bypass tray.

[L]: B4 size or more

[H]: A4R size or less

(2) VR1 ANG (VR1 → PRDB)

Paper width detection signal for bypass tray.

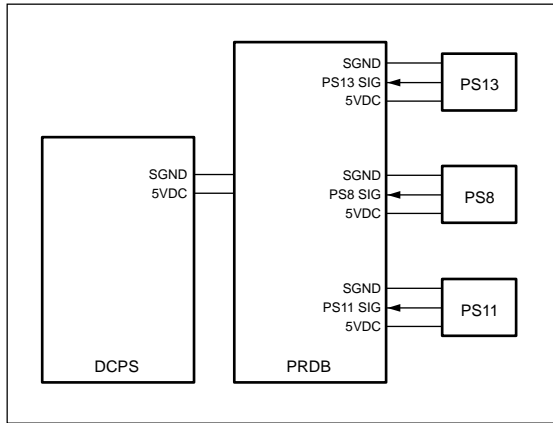
(3) U SIZE A, B, C, D (PFDB (UPPER) → PRDB)

Paper size ON/OFF detect signals for upper tray.

(4) L SIZE A, B, C, D (PFDB (LOWER) → PRDB)

Paper size ON/OFF detect signals for lower tray.

[6] No Paper Detection Control



No paper detection is carried out by PS8 (no paper detect PS (upper)), PS11 (no paper detect PS (lower)), and PS13 (by-pass no paper detect). Detection is controlled by the PRDB (printer drive board).

1. Operation

a. No paper detection control

When the upper, lower, or bypass tray runs out of paper, the corresponding PS comes ON (PS8, PS11, or PS13), causing the LCD (display board) to display a paper out message.

2. Signals

△ a. Input signals

- (1) PS8 SIG (PS8 → PRDB)

No paper detection signal for upper tray.

[H]: Paper does not exist

[L]: Paper exist

- (2) PS11 SIG (PS11 → PRDB)

No paper detection signal for lower tray.

[H]: Paper does not exist

[L]: Paper exist

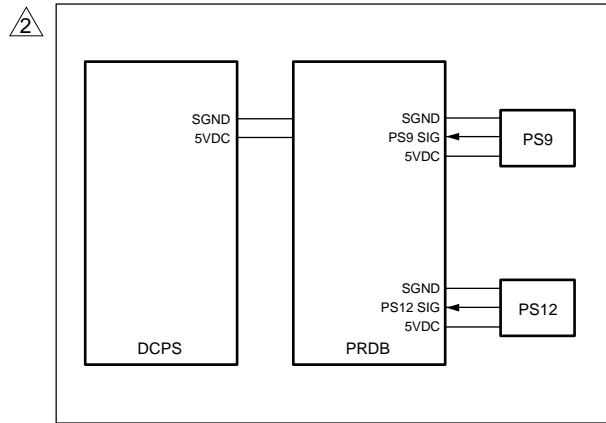
- (3) PS13 SIG (PS13 → PRDB)

No paper detection signal for bypass tray.

[H]: Paper exist

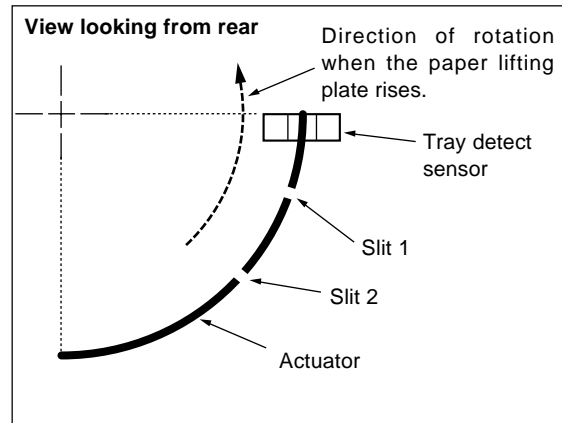
[L]: Paper does not exist

[7] Control of Paper Level Detection



After the trays have been set in the machine, paper level is detected by PS9 (tray detect sensor (upper)) and PS12 (tray detect sensor (lower)).

As the paper level in tray runs low, the actuator at the rear part of the tray gradually rotates as illustrated below. The level is detected by the number of times the sensor goes ON/OFF (the number of slits detected).



Operation

a. Detection of paper level in tray

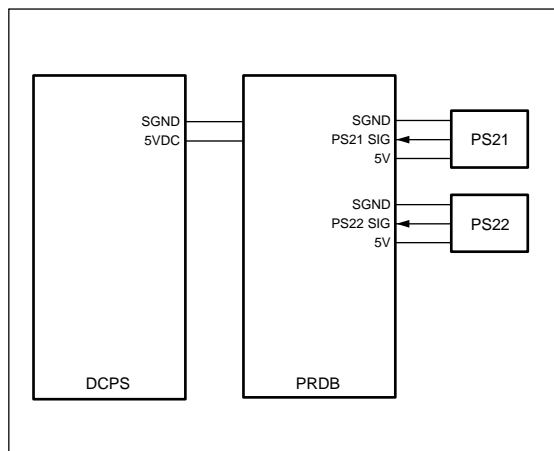
The following shows the relation between the paper level and the number of slit detections by the sensor (PS9 or PS12).

0 slits : Full

1 slit : Medium

2 slits : Low

⚠ [8] Intermediate Conveyance Control (7030/7130/7035/7135 only)



PS21 (intermediate conveyance PS/upper) and PS22 (intermediate conveyance PS/lower) are installed in proximity of the loop rollers of tray 1 and tray 2 respectively. As the paper feeding intervals of the 7030, 7130, 7035 and 7135 are decreased during continual copying, there is a chance that a slight increase in the timing of paper feeding may cause jams. To prevent this, the condition of the paper is monitored by PS21 and PS22 immediately after the start of paper feeding.

1. Operation

If PS21 or PS22 detect paper within a predetermined period of time after the start of feeding the second and subsequent sheets of paper, the MC2 (loop clutch) will be stopped momentarily to ensure a constant interval between paper feeding.

2. Signal

a. Input signals

(1) PS21 SIG (PS21 \emptyset PRDB)

PS21 paper detect signal

[H]: Paper does not exist

[L]: Paper exist

(2) PS22 SIG (PS22 \emptyset PRDB)

PS22 paper detect signal

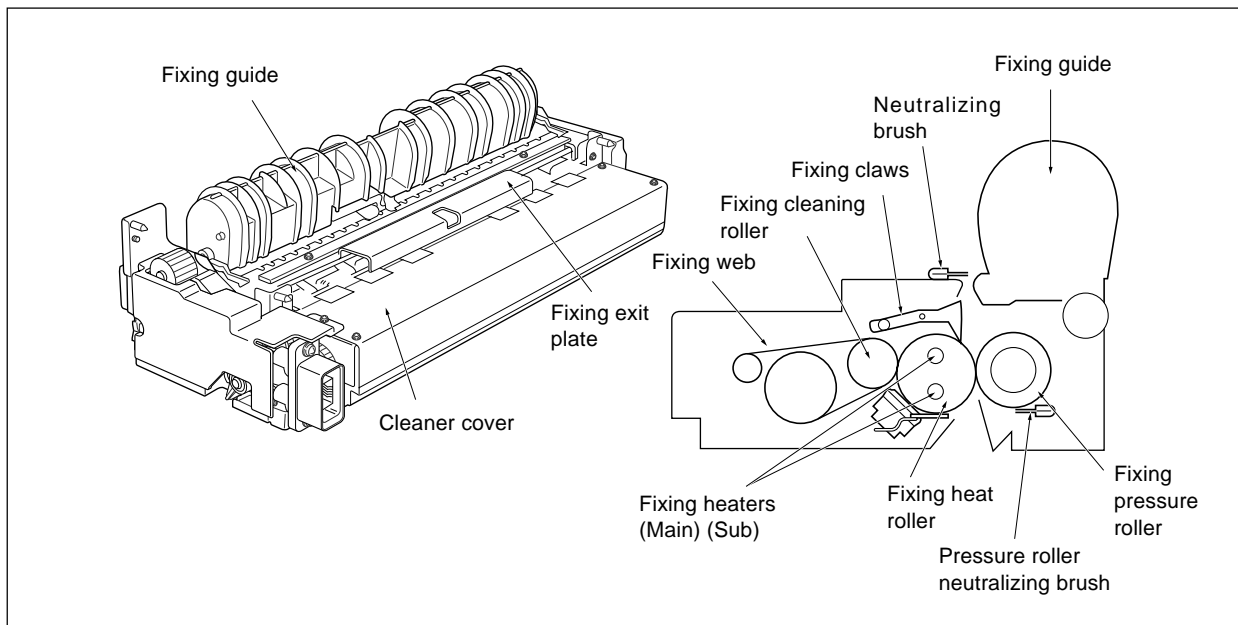
[H]: Paper does not exist

[L]: Paper exist

Blank

FIXING UNIT

[1] Composition



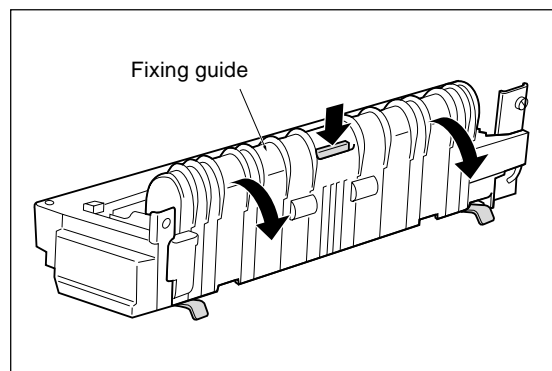
[2] Mechanisms

Mechanism	Method
Fixing	Pressure + heat roller
Heat source	Heater lamps (2 lamps)
Cleaning	Fixing web Fixing cleaning roller
Heat roller	Aluminum + PFA coating
Pressure roller	Silicone rubber + PFA tube
Separation	Fixing claws (6 claws)
Temperature detection	Heat roller contact thermistor
Overheating prevention	Heat roller Contact thermostat
Neutralizing	Neutralizing brush (paper, fixing pressure roller)

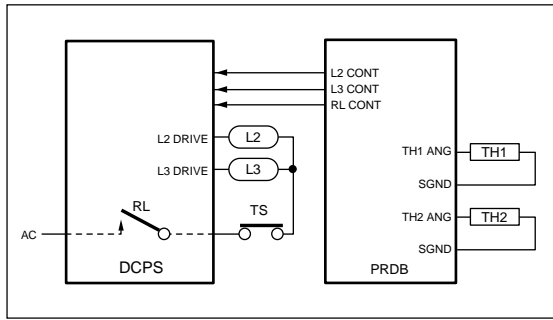


Fixing roller pressure/release

The pressure on the fixing roller is released by opening of the fixing guide.



[3] Fixing Temperature Control



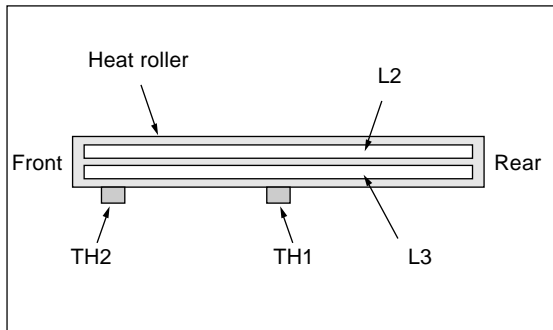
The fixing heat roller is heated by lamps L2 (fixing heater lamp 1) and L3 (fixing heater lamp 2). The PRDB (printer drive board) detects the temperature on the roller by means of TH1 and TH2 (fixing temperature sensor 1 and 2), and controls L2 and L3 accordingly via the DCPS (DC power source).

1. Operation

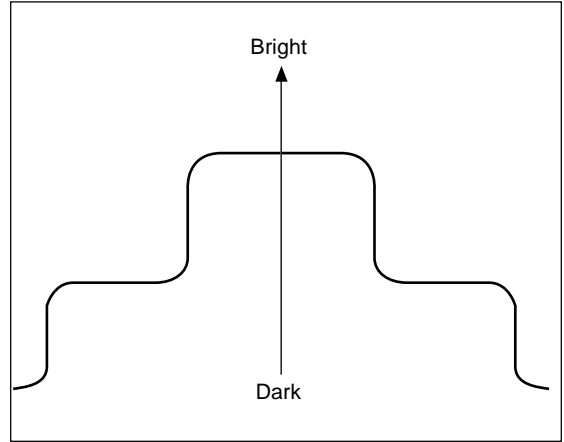
a. Temperature control

(1) Warm-up

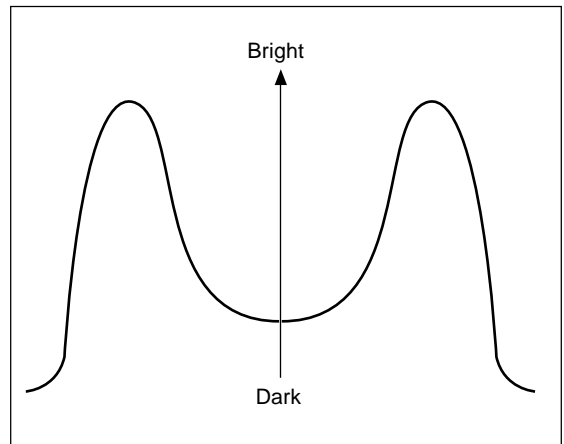
The PRDB turns on the fixing heater lamp circuit within the DCPS immediately when power comes on, and holds L2 and L3 on until the fixing heat roller reaches the specified temperature. L2 and L3 have different light (heat) distribution characteristics (see illustration below), and control temperature through TH1 and TH2.



L2 light distribution characteristics



L3 light distribution characteristics



Once warm-up has completed, the PRDB switches L2 and L3 ON and OFF as necessary to maintain the set temperature.

⚠ (Warm up time)

Other than 7035: Within 30 seconds (from room temperature of 20°C).

7035/7135: Within 45 seconds (from room temperature of 20°C).

(2) Idling

L2 and L3 go ON/OFF repeatedly so as to maintain the temperature between 191°C and 187°C (U.S.A.)/202°C and 187°C (Europe).

(3) Copying

(When feeding from any trays other than the by-pass tray)

- ⚠ Temperature control during copying goes ON/OFF repeatedly so as to maintain temperature at about 194°C. If the selected size is small (B5R, B6R, A5R, or 5.5x8.5R), then although L2 and L3 both go ON/OFF repeatedly control is for the most part implemented by L2 only (so as to prevent overheating at the ends of the fixing roller).

(When feeding from the bypass tray)

The temperature is held approximately 10°C higher than the temperature indicated above. Where OHP has been selected using the application function, control is the same as for normal copying.

(Doble sided copying)

Temperature is held about 5°C lower than the temperature used when feeding from any tray other than the by-pass tray.

(4) Low-power mode

- ⚠ L2 and L3 go ON/OFF repeatedly so as to maintain the temperature at about 85°C (about 170°C in the case of the 7035/7135, about 150°C in the case of the 7122).

The temperature for low power mode can be changed by 25 mode DIPSW.

b. Protection against abnormality

A thermostat (TS) in contact with the fixing heat roller protects against overheating of the roller. The operating temperature of TS is shown below.

TS: Approximately 220°C

2. Signals**a. Input signals****(1) TH1 ANG (TH1 → PRDB)**

TH1 output signal.

Outputs a voltage that varies according to the surface temperature at the center of the fixing heat roller. This signal is used both for normal temperature control and for detection of heating error (overheating, etc.).

(2) TH2 ANG (TH2 → PRDB)

TH2 output signal.

Outputs a voltage that varies according to the surface temperature at the ends of the fixing heat roller. This signal is used both for normal temperature control and for detecting of heating error (overheating, etc.).

b. Output signals**(1) L2 DRIVE (DCPS → L2)**

AC (N) power line for L2.

Sets AC power on and off in accordance with the L2 CONT signal.

(2) L3 DRIVE (DCPS → L3)

AC (N) power line for L3.

Sets AC power on and off in accordance with the L3 CONT signal.

(3) L2 CONT (PRDB → DCPS)

L2 ON/OFF control signal.

[L]: L2 ON

[H]: L2 OFF

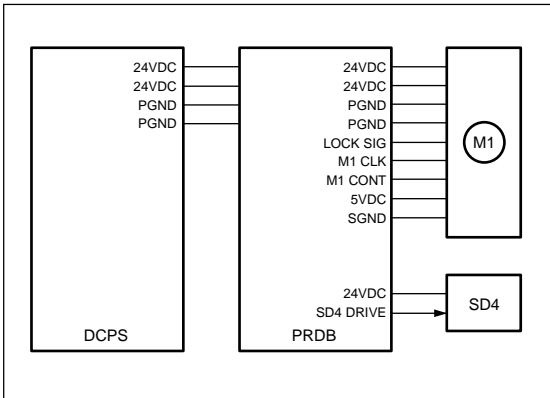
(4) L3 CONT (PRDB → DCPS)

L3 ON/OFF control signal.

[L]: L3 ON

[H]: L3 OFF

[4] SD4 (Cleaning Web SD) Control



SD4 (cleaning web SD) is controlled by the PRDB (printer drive board).

1. Operation

SD4 (cleaning web SD) is set ON by PS2 (fixing exit PS), stays ON for 100msec, and then goes OFF. However, that SD4 does not come at all for certain copy counts.

2. Signals

a. Output signal

(1) SD4 DRIVE (PRDB → SD4)

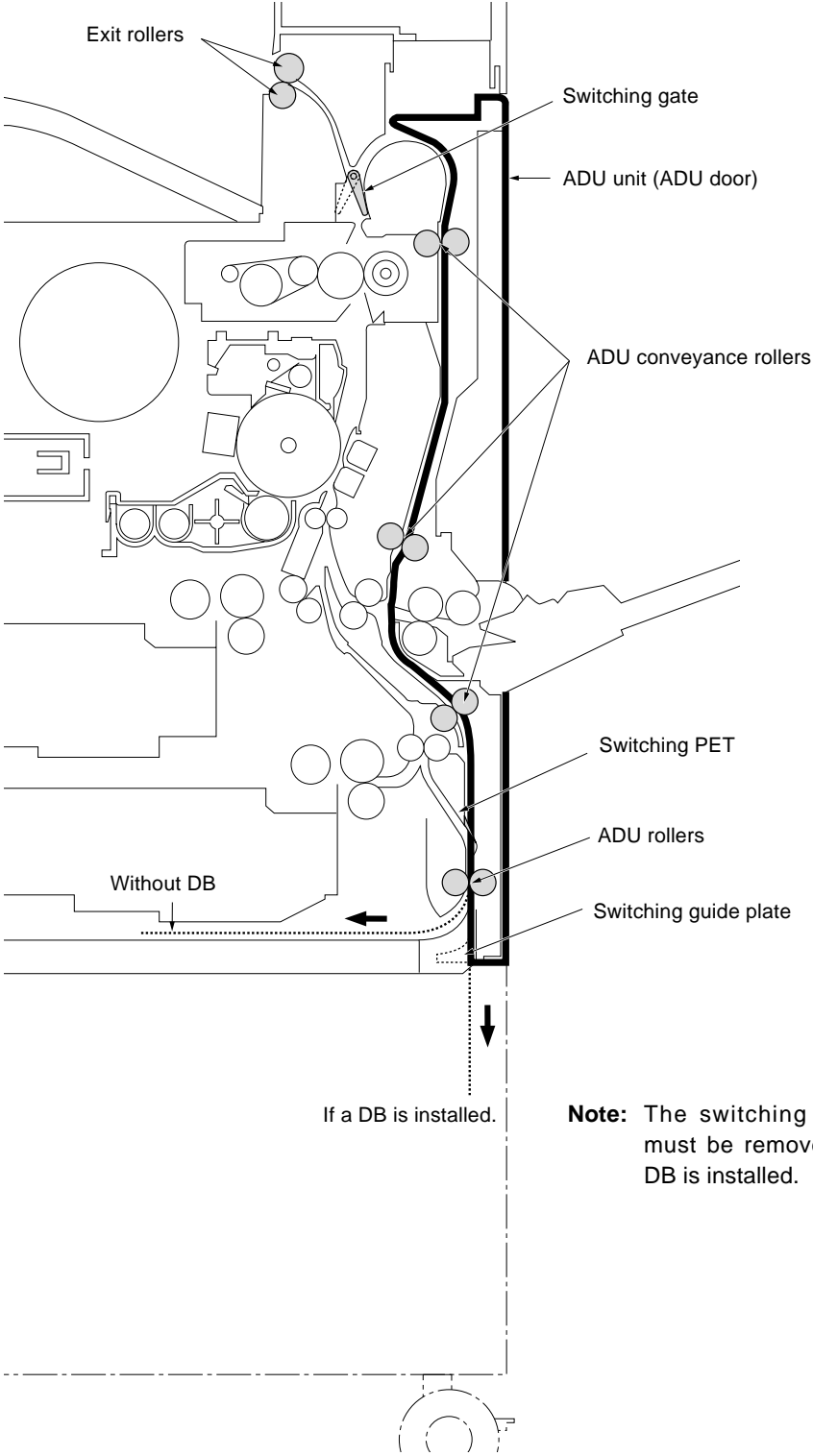
[L]: SD4 ON

[H]: SD4 OFF

ADU/PAPER EXIT SECTION

[1] Composition

1



[2] Mechanisms

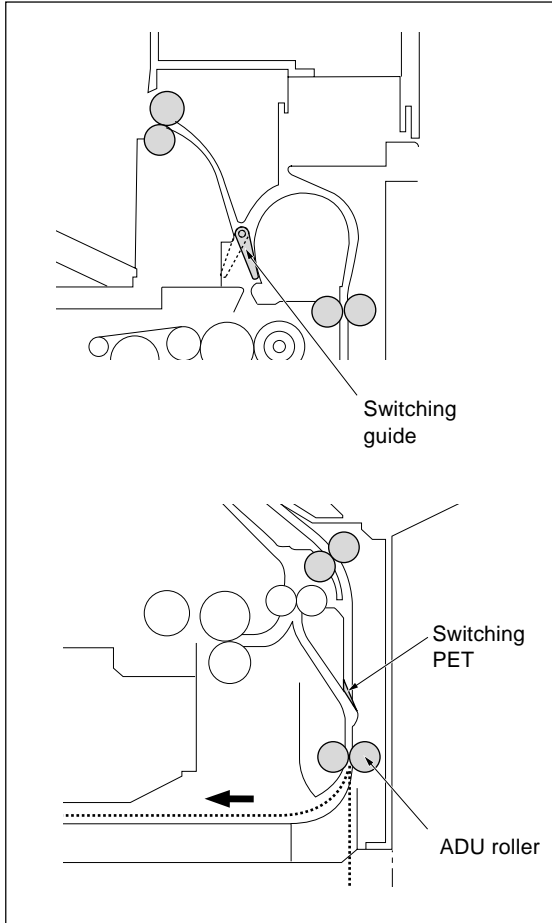
Mechanism	Method
Paper path switching (*1)	Switching guide, Switching PET
Paper conveyance	Roller conveyance

*1: Switching of the paper path

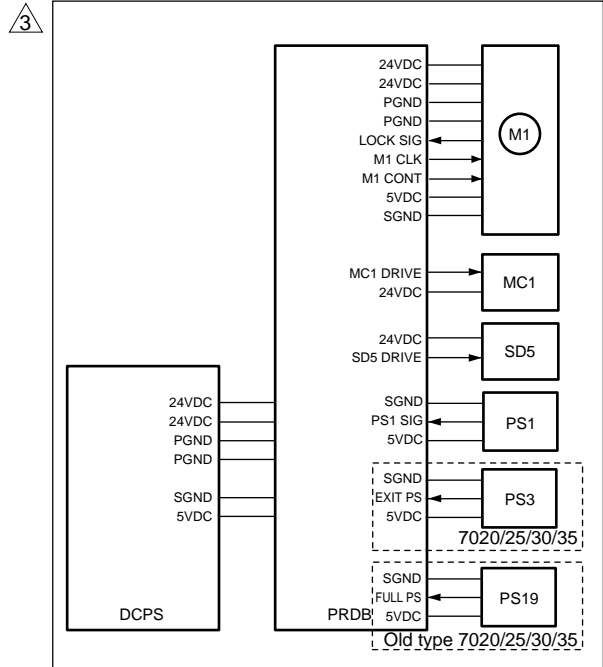
The switching guide directs the paper that exits from the fixing unit to either to the exit area or to the ADU unit.

• Switching operation

For double sided copies, the switching guide directs the paper to the rear side of the ADU door. The trailing edge of the sheet reaches the point just in front of the ADU rollers, at which point the switching mylar returns the sheet to the feed path, the ADU rollers reverse direction, and the sheet is conveyed back to the drum unit.



[3] Paper Exit/ADU Conveyance Switching Control



③ The paper exit unit's SD5 (ADU gate SD) switches the conveyance path toward either the exit or the ADU unit.

The paper is conveyed by M1 (main motor) and M9 (paper feed motor), and M1 and SD5 are controlled by PRDB (printer drive board). M1 and SD5 are controlled by the PRDB (printer drive board). Related signals are MC1 (registration clutch), PS19 (exit limit detect PS), PS2 (fixing exit PS) and PS3 (paper exit PS).

Caution : In the case of a machine other than the 7020/25/30/35, the function normally performed by PS3 is performed by PS2. PS19 is installed only on old type 7020/25/30/35 machines.

1. Operation

a. Control of paper exit/ADU conveyance switching

In single sided copy mode, SD5 remains OFF and paper exits straight to the exit unit. In double sided copy mode, SD5 comes ON during copying of the front side, so that the paper is conveyed into the ADU unit. The ADU unit inverts the paper so that the back side of the paper is copied. When PS2 goes OFF by the last paper, SD5 goes OFF, so that paper is directed to the exit.

2. Signals

a. Input signal

- ③ (1) FULL PS (PS19 → PRDB)
Paper exit limit detect signal.
(Old type 7020/25/30/35 only)

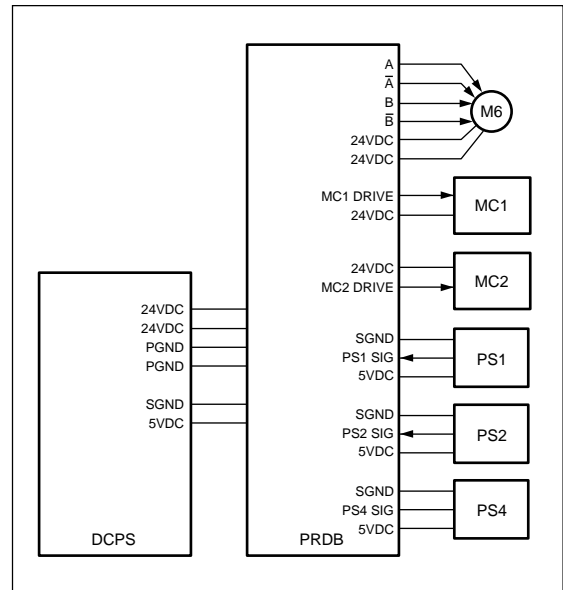
Goes [H] when the exit section is full, causing display of message indicating that paper should be removed. It is selectable to stop the machine when PS19 is ON according to a setting in 25 mode.

The paper exit limit of a copying machine that does not have PS19 (7022/7130 and new type 7020/25/30/35) differs depending upon the setting of the 25 mode.

b. Output signal

- (1) SD5 DRIVE (PRDB → SD5)
SD5 drive control signal.
[L]: SD5 ON (Convey to ADU)
[H]: SD5 OFF (Straight to exit only)

[4] ADU Conveyance Control



M6 (ADU motor), a 24V DC step motor, drives the ADU rollers that drive the conveyance. When paper directed to the ADU side by SD5 reaches PS4 (ADU PS), M6 operates as necessary (forward, stop, reverse) to direct the paper to the drum unit so that copy can be made to the back side. M6 and PS4 are controlled by the PRDB (printer drive board). Related signals are MC1 (registration clutch), MC2 (loop clutch), PS1 (registration PS) and PS2 (fixing exit PS).

1. Operation

a. Feed control

M6 comes ON when paper reaches PS4, so that the paper is conveyed further by the action of the ADU rollers. M6 goes OFF when PS4 detects the trailing edge of the paper, and at a predetermined time interval thereafter M6 comes back ON in reverse so as to convey the paper in the opposite direction. The reversed paper passes through the switching PET and is conveyed to the registration area, where the loop rollers move it on to the drum.

2. Signals

a. Input signals

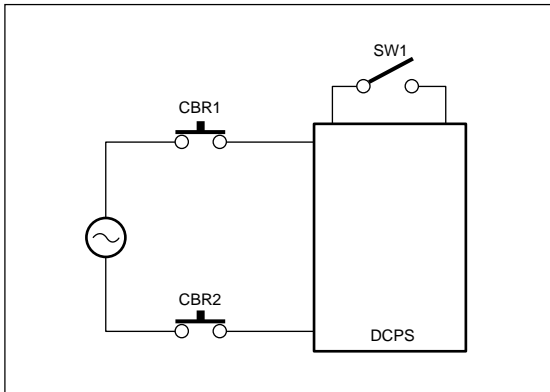
- (1) PS4 SIG (PS4 → PRDB)
Detects paper passage through ADU roller area.
Goes [H] when paper is detected.
- (2) PS2 SIG (PS2 → PRDB)
Detects paper passage through fixing unit's exit.
Goes [H] when paper is detected.

b. Output signal

- (1) M6 A, \bar{A} , B, \bar{B}
(PRDB → M6)
M6 drive control signals.

OTHER CONTROLS

[1] Parts Energized When the Main Power Switch is OFF



The following components are powered regardless of whether the SW1 (main power switch) is ON or OFF, provided that the power cord remains plugged in.

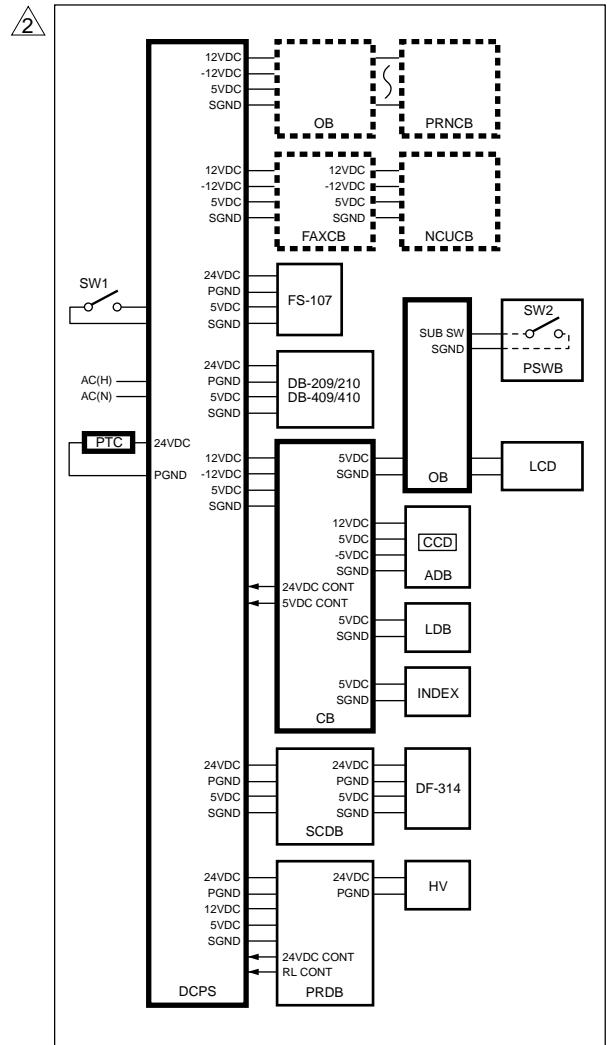
a. CBR1 and CBR2 (circuit breakers)

The circuit breakers serve to protect against damage from short circuit. If current exceeds 8A, the circuit breaker(s) will go OFF, cutting the power to the system.

b. DCPS (DC power supply)

Supplies power to each unit and also controls the ON/OFF state of the fixing lamp.

[2] Components Operated by Power Switches SW1 and SW2



1. Operation

a. Components operated by SW1 (main power switch)

- DCPS (DC power supply)
- CB (overall control board)
- OB (operation board)

- ③ • PTC (PTC heater) : (Treated as spare parts in the case of machines other than the 7020/25/30/35.)

Setting SW1 ON supplies power to the DCPS, which in turn supplies +12VDC, -12VDC, and +5VDC to some of the circuits on the CB. The CB supplies +5VDC to the OB.

If printer and/or fax options are installed, +12VDC, -12VDC, and +5VDC are also supplied to these options.

Supply of 24VDC to PTC is set by 25 mode DIPSW.

b. Components operated by SW2 (sub power switch)

- All others

SW2 (sub power switch) is located on the PSWB (power switch board). At SW2 ON, the CB sends a control signal to the DCPS, causing the DCPS to supply +12VDC, 12VDC, and +5VDC to all CB circuits and to the PRDB. The PRDB then sends to the DCPS a control signal that causes the DCPS to generate 24VDC. This 24VDC power is supplied to all drive boards and options.

2. Signals

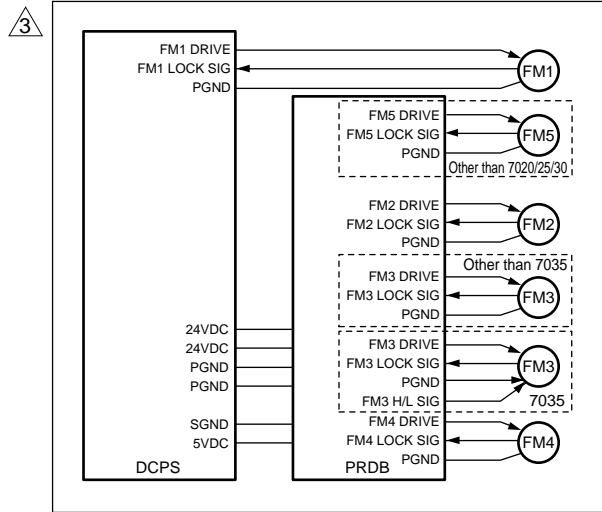
a. Input signal

- (1) SUB SW (PSWB → OB)
Goes [L] when SW2 is turned ON.

b. Output signal

- (1) RL CONT (PRDB → DCPS)
Control signal for RL1 on the DCPS.
In the event of abnormality, this signal goes [H] so that RL1 goes OFF.

[3] Fan Control



- ③ FM1 (DC power supply cooling fan) and FM5 (developing suction fan : other than 7020/25/30) are driven by the DCPS (DC power supply), and FM2 (fixing cooling fan), FM3 (internal dehumidifying fan) and FM4 (internal cooling fan) are driven by the PRDB (printer drive board).

1. Operation

All fans use 24V DC motors.

a. FM1

Cools the DC power supply unit.
FM1 runs only during copy operation.

③ b. FM2

Cools both edges of the paper immediately after the fixing process, in order to prevent curling of small size paper.
FM2 comes ON at start of copying if paper size is B5R, B6R, A5R, or 5.5x8.5R. FM2 goes OFF 60 seconds after PS3 (paper exit PS) (PS2 (fixing exit PS) in the case of machines other than 7020/25/30/35) detects the trailing edge of the final paper.

③ c. FM3

Ventilates the inside of the fixing unit in order to remove water vapor generated in the read section by heat from the fixing unit.
FM3 comes on only during copying. FM3 goes OFF 60 seconds after PS3 (PS2 in the case of machines other than 7020/25/30/35) detects the trailing edge of the final paper.

d. Operation of FM4

FM4 cools the inside of the machine in order to prevent toner from sticking when the temperature is higher than the set value.

If the machine temperature sensor on the TCSB (toner control sensor board) detects a temperature of 43°C inside the machine, it judges that the temperature in the machine has risen, and turns ON FM4. When this sensor subsequently detects a temperature of 38°C, FM4 is turned OFF. If the machine temperature sensor detects a temperature of 58°C, error code F22-1 is displayed and the machine is stopped.

③ e. Operation of FM5 (Other than 7020/25/30)

Toner that has been scattered around the developing area is sucked up by the FM5 and then passed through a duct so that it adheres to the suction filter.

FM5 goes ON in synchronism with M3 (developing motor). FM5 goes OFF after a certain interval from when M3 goes OFF.

2. Signals**a. Input signals****(1) FM1 LOCK SIG (FM1 → DCPS)**

FM1 status detect signal.

[L]: Running normally.

[H]: Stopped, or running abnormally.

(2) FM2 LOCK SIG (FM2 → DCPS)

FM2 status detect signal.

[L]: Running normally.

[H]: Stopped, or running abnormally.

(3) FM3 LOCK SIG (FM3 → PRDB)

FM3 status detect signal.

[L]: Running normally.

[H]: Stopped, or running abnormally.

(4) FM4 LOCK SIG (FM4 → PRDB)

FM4 status detect signal.

[L]: Normal rotation.

[H]: Stopped or abnormal rotation.

③ (5) FM5 LOCK SIG (FM5 → DCPS) (Other than 7020/25/30)

FM5 status detect signal.

[L]: Normal rotation.

[H]: Stopped or abnormal rotation.

b. Output signals**(1) FM1 DRIVE (DCPS → FM1)**

FM1 drive control signal.

[L]: FM1 OFF

[H]: FM1 ON

(2) FM2 DRIVE (PRDB → FM2)

FM2 drive control signal.

[L]: FM2 OFF

[H]: FM2 ON

(3) FM3 DRIVE (PRDB → FM3)

FM3 drive control signal.

[L]: FM3 OFF

[H]: FM3 ON

(4) FM3 H/L SIG (PRDB → FM3) (7035 only)

FM3 rotational speed switching signal.

[L]: Low speed rotation

[H]: High speed rotation

(5) FM4 DRIVE (PRDB → FM4)

FM4 drive control signal.

[L]: FM4 OFF

[H]: FM4 ON

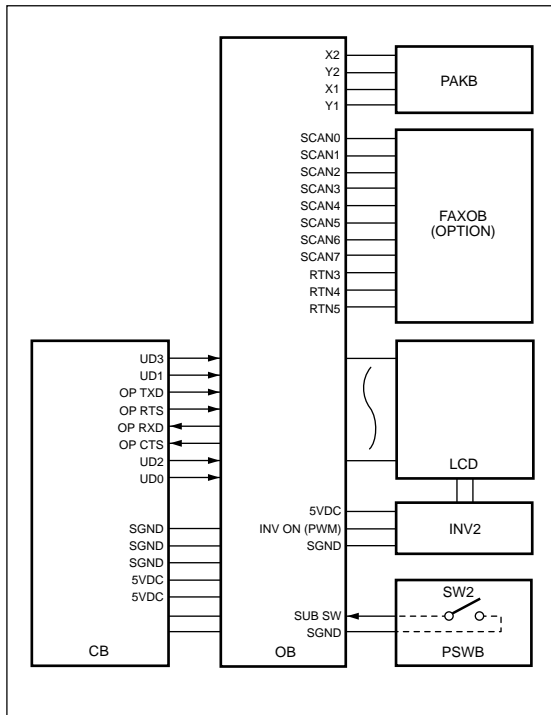
③ (6) FM5 DRIVE (PRDB → FM5) (Other than 7020/25/30)

FM5 drive control signal.

[L]: FM5 OFF

[H]: FM5 ON

△ [4] Operation Unit Control



The operation unit consists of the OB (operation board), LCD (display board), PAKB (panel key board), INV2 (display inverter), and PSWB (power switch board). The LCD includes a backlight (driven by INV2) as well as touch switches that are linked to the display content.

The operation unit is driven by the OB based on serial data output by the CB (overall control board).

1. Operation

a. LED ON/OFF control

The LEDs installed on the OB are driven ON/OFF by the OB's internal CPU in accordance with serial data received from the CB.

b. LCD display control

(1) LCD display operation

The LCD generates various displays in accordance with 4 bit parallel data transmitted from the CB through the OB.

(2) Backlight ON operation

The backlight (cold cathode tube) is included to make the display easier to read. The backlight is driven by the INV2, which is controlled by the OB.

(3) Touch switch control

The LCD includes touch switches that allow the user to make selection by pressing directly on the screen. These switches are controlled by the OB.

c. PSWB (power switch board) control

Switching ON of SW2 on the PSWB (power switch board) while SW1 (main power switch) is ON causes power to be supplied to all loads. Note that this switching operates only if SW1 is already ON.

2. Signals

a. Input signals

(1) OP RXD (OB → CB)

Serial data informing CB of the OB operating status.

(2) OP CTS (OB → CB)

Indicates that data transmission from the OB to CB is in progress.

While this signal is [H], the CB will not transmit OP TXD.

b. Output signals

(1) OP TXD (CB → OB)

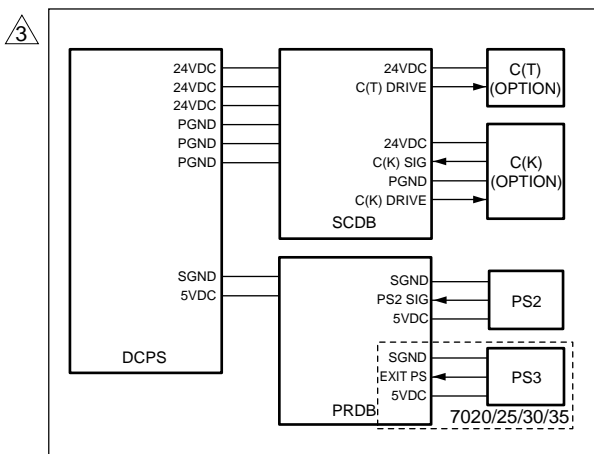
Serial data informing OB of the machine operating status.

(2) OP RTS (CB → OB)

Indicates that data transmission from the CB to OB is in progress.

While this signal is [H], the OB will not transmit OP RXD.

[5] Counter Control



This machine supports the following two optional counters.

C(T): Total Counter

C(K): Key Counter

These counters are controlled by the SCDB (scanner drive board).

1. Operation

This machine counts copies using the following two software counters.

(1) Paper feed counter

This counter increments when 1st paper feed for the next copy comes ON.

(2) Paper exit counter

⚠ This counter increments when PS3 (paper exit PS)(PS2 (fixing exit PS) in the case of machines other than the 7020/25/30/35) goes ON → OFF.

Counter value shown on OB

Normal Operation	Jam
Indicator shows count from the paper feed counter.	Indicator shows count from the paper exit counter.

2. Signals

a. Input signal

(1) C(K) SIG (C(K) → SCDB)

Indicates the C(K) connection state.

[H]: Counter not connected.

[L]: Counter present.

b. Output signals

(1) C(T) DRIVE (SCDB → C(T))

C(T) drive signal.

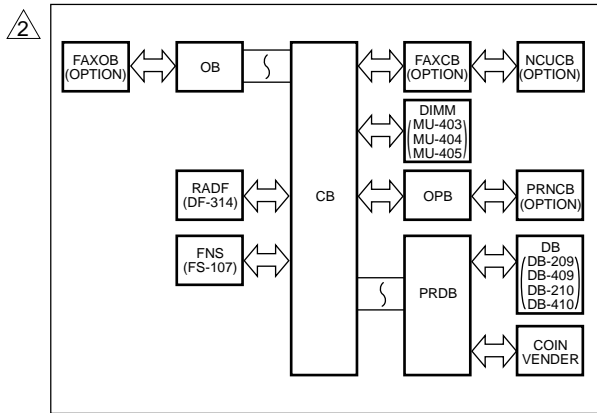
C(T) increments at [L] → [H].

(2) C(K) DRIVE (SCDB → C(K))

C(K) drive signal.

C(K) increments at [L] → [H].


[6] Option Control



Options are controlled by the CB (overall control board), the PRDB (printer drive board) and the OB (operation board).

1. Operation

The RADF, FNS, FAXCB and PRNCB each include their own internal CPU. Control is implemented by communication between these CPUs and the CB on the main body. The DB does not include a CPU, and is driven by the CB via the PRDB. (For information about operation of options, refer to options service handbook and the printer and fax service handbooks.)

 <Operation of copy vender signals>

Connector No.	Pin No.	Signal Name	Contents	Output Timing	Signal Type
35	1	DC24V	Key counter power source	Always	24V, 300mA
	2	C(K)SIG	Key counter connection check	—	—
	3	C(K)GND	Signal ground		
	4	C(K)DRIVE	Key counter increment	Goes (L) 100ms after output of paper	
	5	P.GND	Power ground	—	
36	1	Vender Copy	Copy-in-progress signal	Output starts at START button ON, and ends at paper exit completion.		Open collector 5V, 200mA
	2	Vender FEED	Paper feed signal	Goes (L) for 100ms in sync with paper feed from main body tray and DB.	
	3	Paper size 0	Paper size signal	The signal is output when the paper size is changed.	
	4	Paper size 1			
	5	Paper size 2			
	6	Paper size 3			
	7	Vender duplex	Double sided copy select signal	The signal is output when duplex mode is selected.	
	8	CPF SIG 0	CPF mode selection signal	The signal is output when the copy, printer and fax modes are selected.	
	9	CPF SIG 1			
	10	P.GND	Power ground	—	—

Blank

3


DISASSEMBLY/ASSEMBLY

This section explains how to disassemble and reassemble the machine. When disassembling and reassembling the machine, follow the precautions given below.

1. Be sure the power cord has been unplugged from the wall outlet.
2. The disassembled parts must be reassembled following the disassembly procedure in reverse unless otherwise specified.
3. Care should be taken not to lose small parts. Care should also be taken not to install small parts in wrong places.
4. Do not operate the machine before installing all the disassembled parts completely.
5. Removal of some screws is prohibited in this section. Never loosen them.

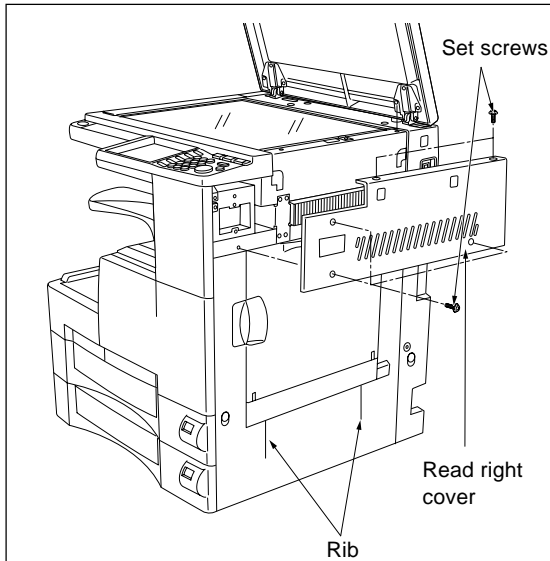
EXTERNAL SECTION

[1] Replacing the Ozone Filter

 **Caution:** Be sure that the power cord has been unplugged from the outlet.

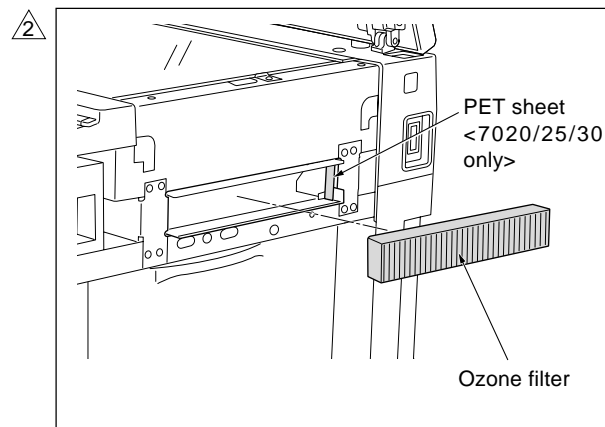
a. Procedure

- (1) Remove the five set screws, and remove the read right cover.



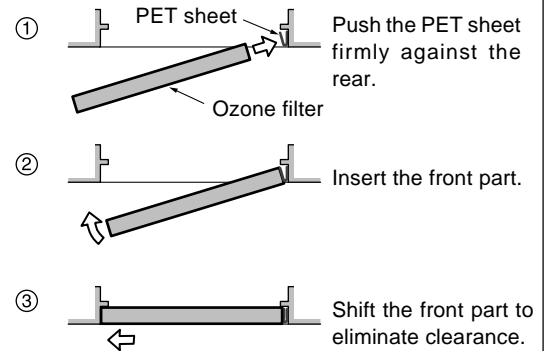
Note: If an unusual noise is emitted when you open or close the bypass tray, clean the ADU door rib with alcohol.

- (2) Remove the ozone filter.



- (3) Reinstall the above parts following the removal steps in reverse.

How to install the ozone filter



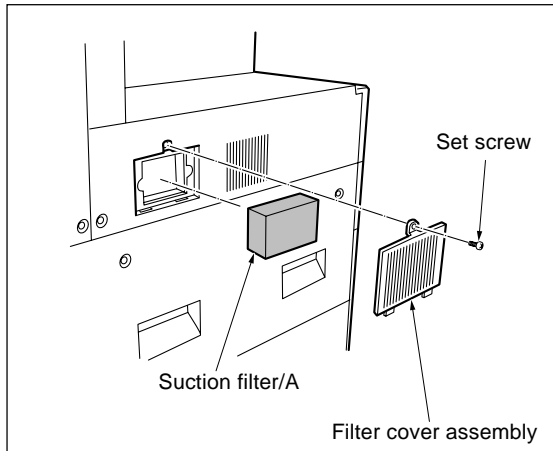
Caution: When installing the ozone filter, take care not to break it.

[2] Replacing the Filter Cover Assembly and Suction Filter/A (Other Than 7020/25/30)

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

a. Procedure

- (1) Remove the set screw, then remove the filter cover assembly.
- (2) Remove the suction filter/A.



- (3) Reinstall the above parts following the removal steps in reverse.

⚠ Caution: For installation of suction filter/A of model 7135, white filter face should be faced toward inside the machine.

DRIVE SECTION

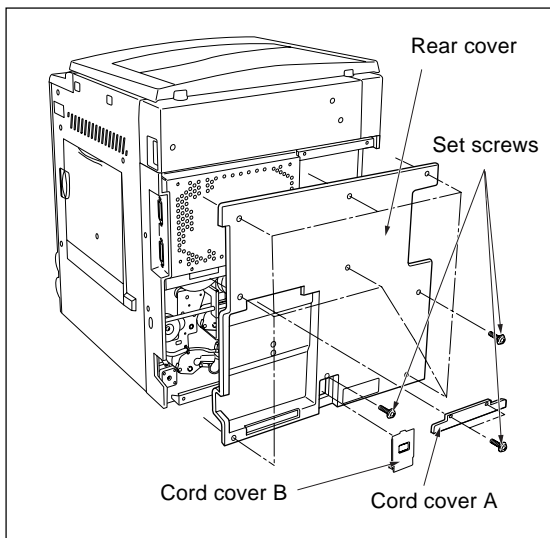
[1] Removing and Reinstalling the Motor units (Main, Paper Feed, Developing)

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

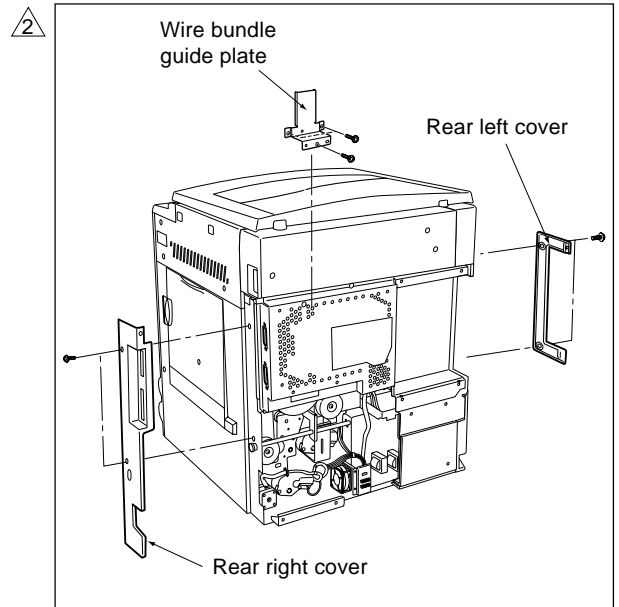
⚠ Caution: Be sure to remove the drum unit from the main body before removing or reinstalling the main motor unit. If the drum unit is in place at this time, the drum will rotate when you install or remove the drum rotating plate, resulting in possible damage to the cleaning blade.

a. Procedure

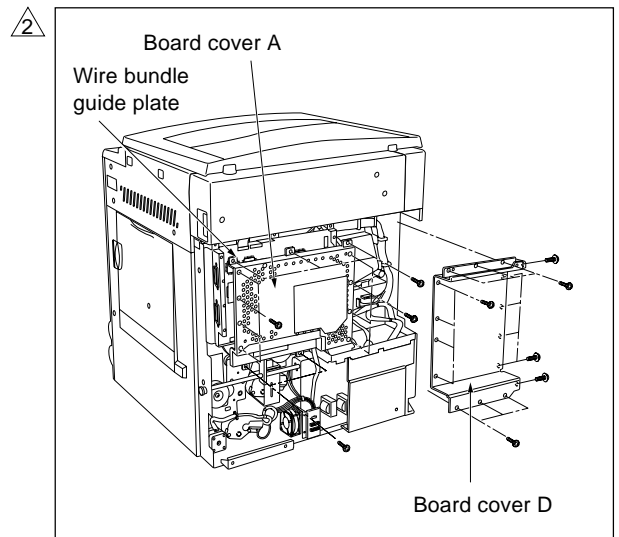
- (1) Remove the developing unit and drum unit from the main body.
- (2) Remove the 2 set screws, and remove the cord cover A. Then remove the cord cover B.
- (3) Remove the 9 set screws, and remove the rear cover.



- (4) Remove the 2 set screws holding the left and right rear covers in place (2 screws each), and remove the covers.
- (5) Remove the 3 set screws, and remove the wire-bundle guide plate.



- (6) Remove the 16 set screws, and remove the board cover D.
- (7) Remove the 13 set screws, and remove the board cover A.

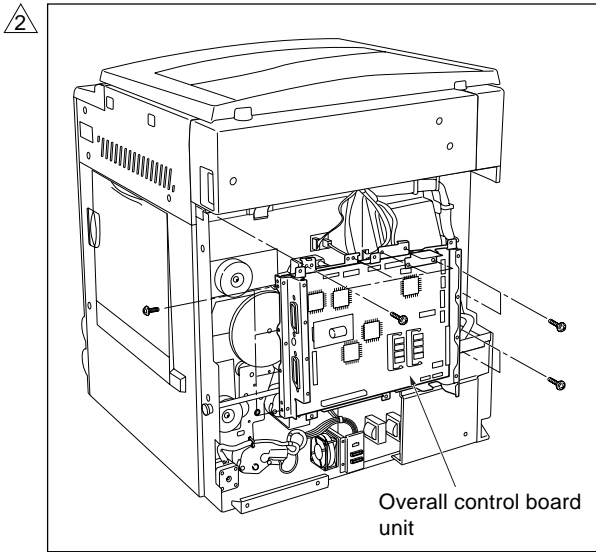


- ⚠ (8) Remove the various wiring connectors from the overall control board.

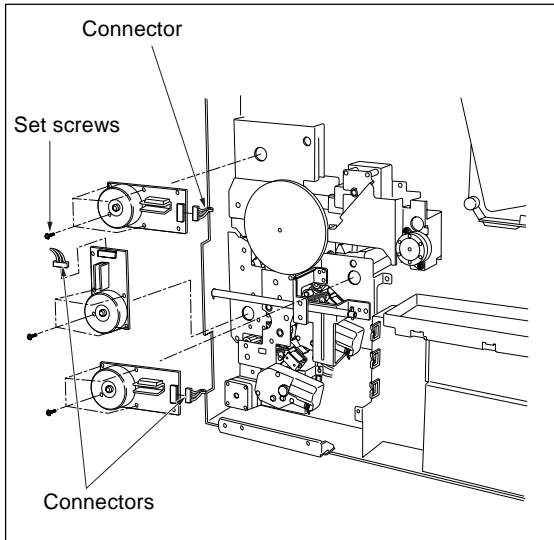
Caution: Be very careful when handling the ribbon cable connector from the CCD.

Refer to “[4] removing the ribbon cable” and “[5] Installing the ribbon cable”.

- (9) Remove the 12 set screws, and remove the overall control board unit.



- (10) Disconnect the connectors from each motor unit.
- (11) Remove the 4 set screws, then remove each motor unit.



- (12) Reinstall in the opposite sequence to removal.

Caution: Be careful to avoid damaging the ribbon cable connected to the overall control board.

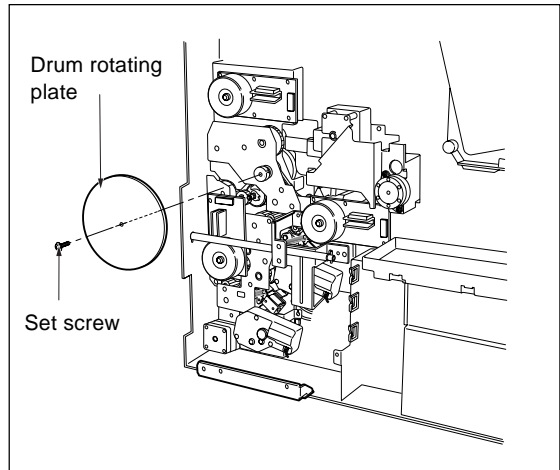
[2] Replacing the Registration Clutch

⚠ **Caution:** Be sure that the power cord has been unplugged from the outlet.

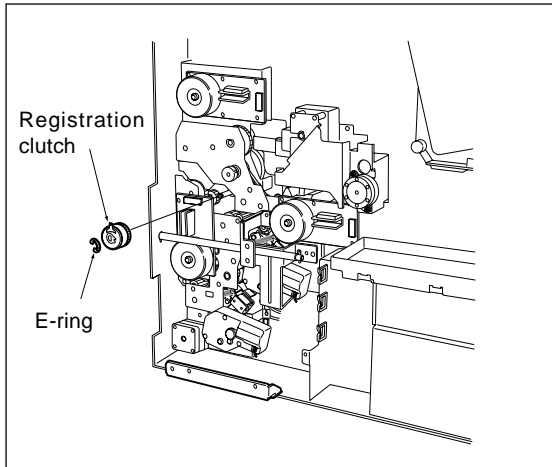
⚠ **Caution:** Be sure to remove the drum unit from the main body before carry out the following procedure. If the drum unit is in place at this time, the drum will rotate when you install or remove the drum rotating plate, resulting in possible damage to the cleaning blade.

a. Procedure

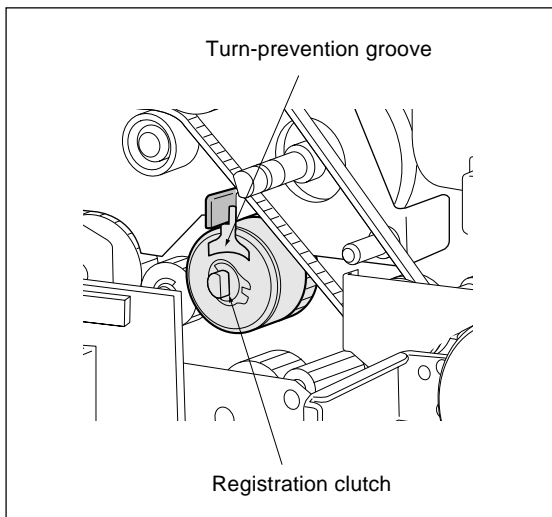
- (1) Remove the rear panel and the overall control board unit.
- ⚠ (2) Remove the set screw, and remove the drum rotating plate.



- (3) Remove the clutch connector.
- (4) Remove the E-ring. Pull the registration clutch toward you and rotate it to remove.



- (5) Reinstall in the opposite sequence to removal.



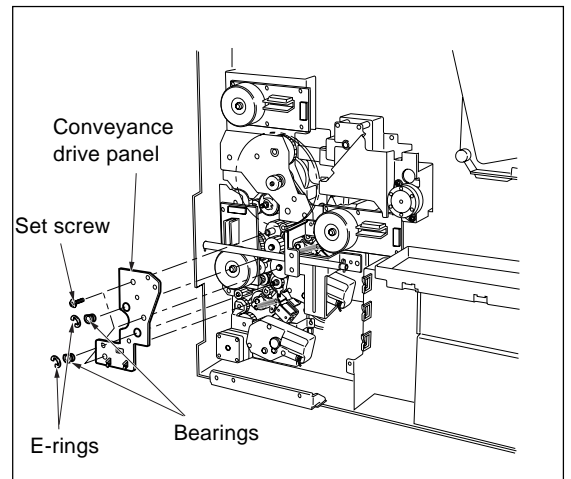
Caution: When installing the registration clutch, be sure that the clutch's turn-prevention groove is installed correctly.

[3] Replacing the Loop Clutch

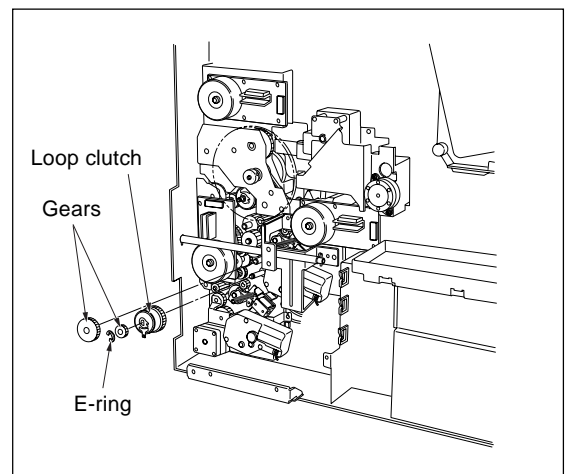
⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

a. Procedure

- (1) Remove the rear panel and the overall control board unit.
- (2) Remove the wire bundle from the clamp on the conveyance drive panel.
- (3) Remove the 2 E-rings and 3 set screws, and remove the conveyance drive panel. (Do not remove the rotation prevention screws on the clutch.)



- ⚠** (4) Remove the E-ring, then remove the gear and the connector, remove the gear at the front, and then remove the clutch.

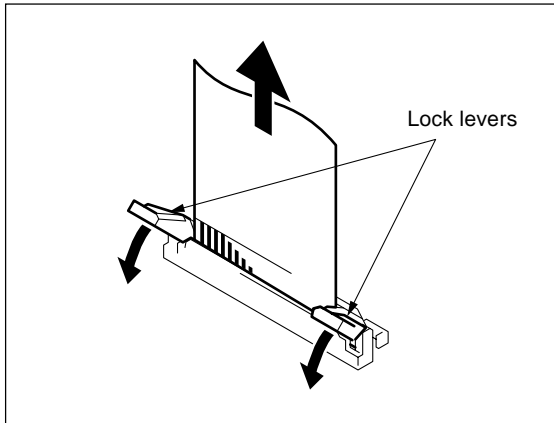


- (5) Reinstall in the opposite sequence to removal.

**⚠ [4] Removing the Ribbon Cable
(Other than 7135)**

a. Procedure

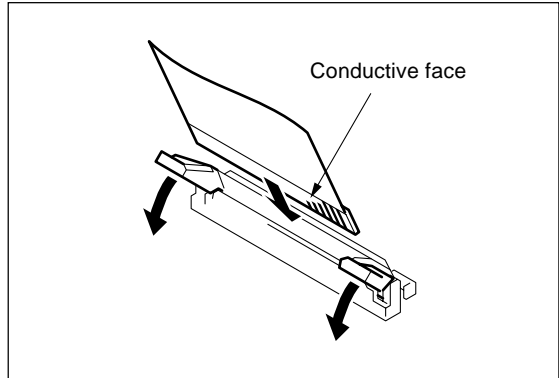
- (1) Move the lock levers forward to release the lock, then pull out the ribbon cable.



**⚠ [5] Reinstalling the Ribbon Cable
(Other than 7135)**

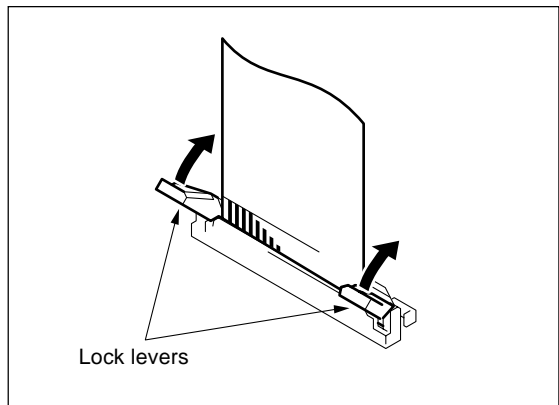
a. Procedure

- (1) Move the lock levers forward, then, while ensuring that the direction of the conductive face of the ribbon cable is correct, push the connector firmly to the rear.



- (2) Firmly push both lock levers, and lock the ribbon cable.

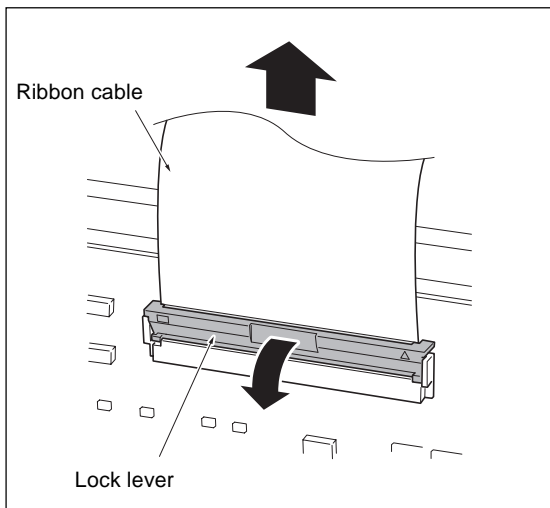
⚠ Caution: Be sure to push both lock levers together.



[6] Removing the Ribbon Cable (7135 Only)

a. Procedure

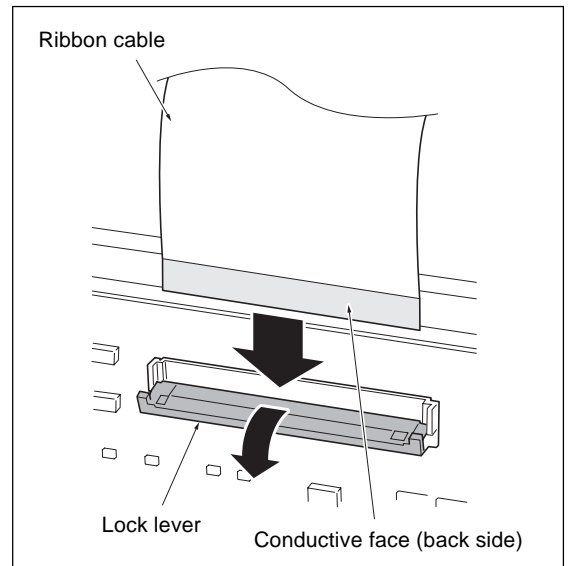
- (1) Move the lock lever forward to release the lock, then pull out the ribbon cable.



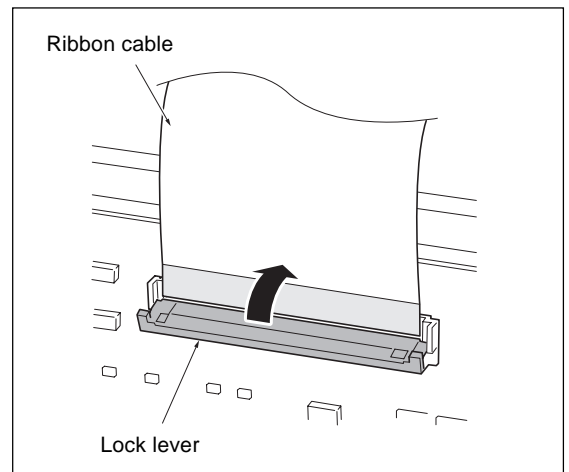
[7] Reinstalling the Ribbon Cable (7135 Only)

a. Procedure

- (1) Move the lock lever forward, then insert the ribbon cable firmly into the connector while ensuring that the conductive face of the ribbon cable is positioned on the opposite side of the lock lever.



- (2) Push back the lock lever to lock the ribbon cable.

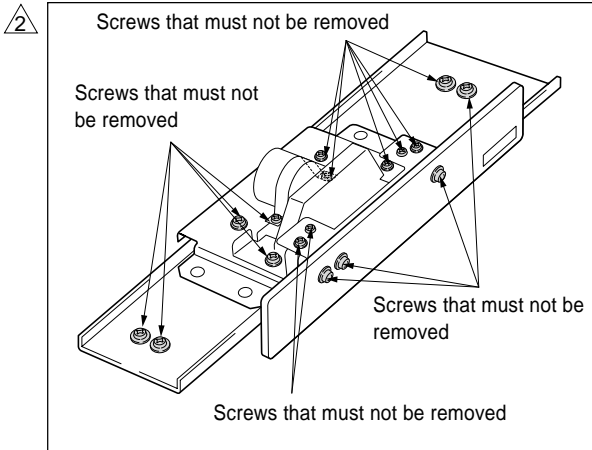


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READ SECTION

[1] Screws That Must Not be Removed

⚠ Caution: The paint-locked screws must not be removed. Be sure that you do not remove these screws.

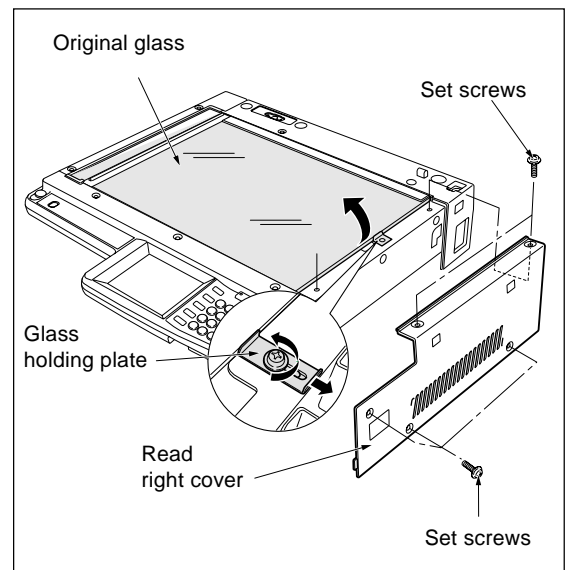


[2] Removing the Original Glass

⚠ Caution: The white color reference plate on the rear of the original glass must be kept clean. If dirt gets on the board, clean the board using a clean cloth.

a. Procedure

- (1) Remove the platen cover or the RADF.
- (2) Remove the 5 set screws, and remove the read right cover.
- (3) Loosen the set screw and slide the glass holding plate toward the outer exterior.
- (4) Raise the original glass and slide it off.



- (5) Reinstall in the opposite sequence to removal.

Caution: Be sure that the original glass is pushed flush left against the glass holding plate when fastening into place.

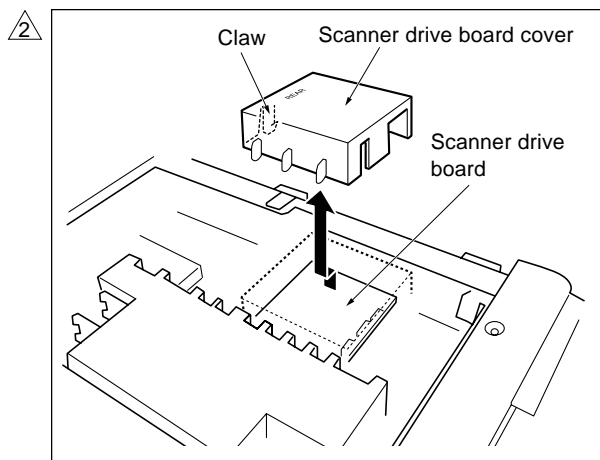
[3] Removing and Reinstalling the CCD unit

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

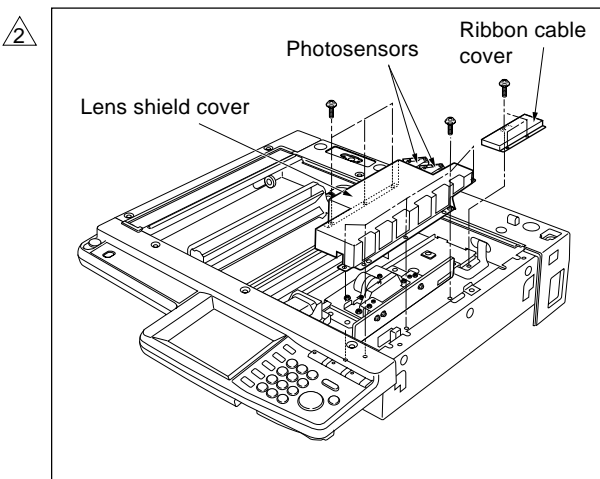
Caution: Be sure to perform image adjustment after installing the CCD unit. (Refer to the "Adjustment" section.)

a. Procedure

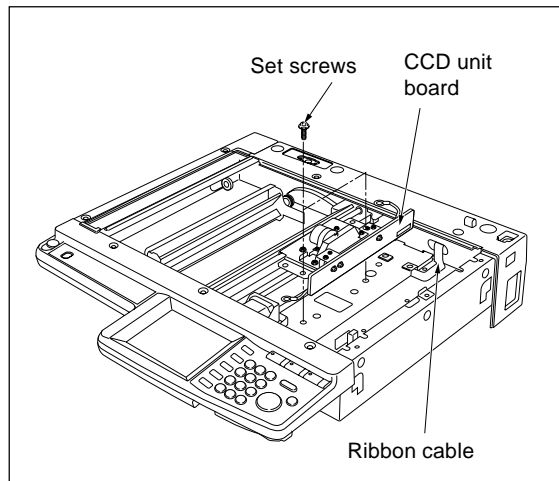
- (1) Remove the original glass.
- (2) Remove the 2 set screws, and remove the photo-sensor.
- ⚠ (3) Remove the scanner drive board cover while being careful not to strike the claw.



- (4) Remove the 8 set screws, and remove the lens shield cover.
- (5) Remove the 3 set screws, and remove the ribbon cable cover.



- (6) Remove the ribbon cable from the CCD unit board.
- (7) Remove the 2 set screws, and remove the CCD unit.



- (8) Reinstall in the opposite sequence to removal.
- ⚠ Caution: Be careful to avoid damage to the ribbon cable when removing it. When reinstalling it, be sure that it is securely in place. Be sure to install the optics drive board cover in the direction such that the word "REAR" can be read from the front of the machine.

[4] Replacing the Exposure Lamp

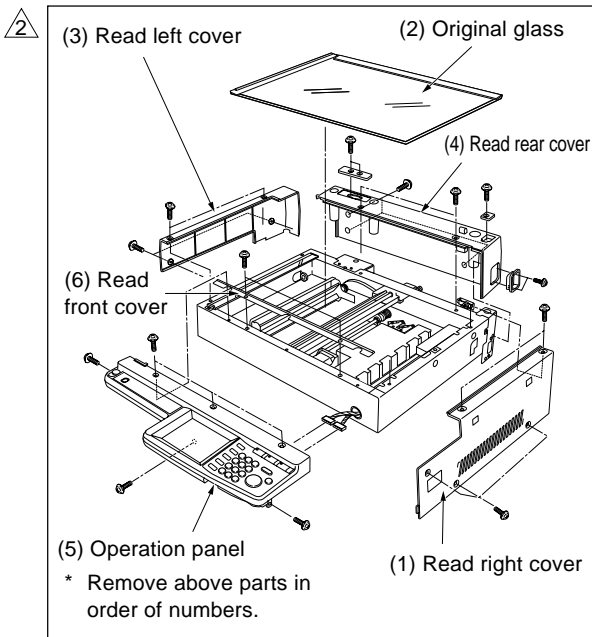
⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

Do not touch the exposure lamp's lamp area with bare hands.

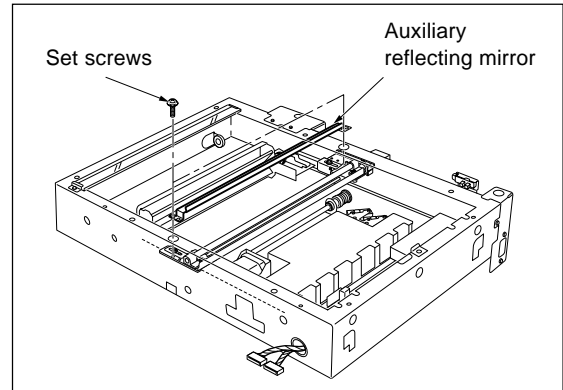
Caution: Be sure to clean original glass before reinstalling it.

a. Procedure

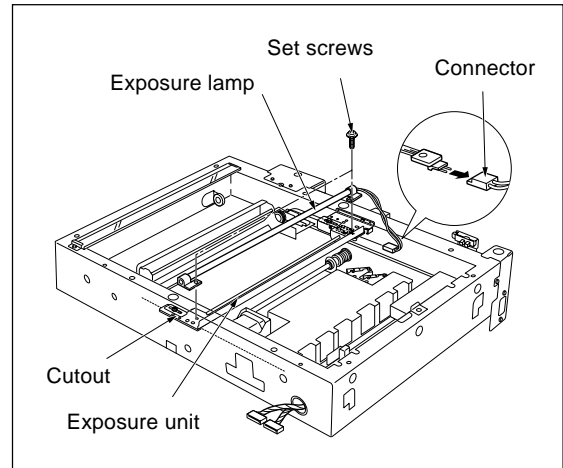
- (1) Remove the read right cover and the original glass.
- (2) Remove the operation panel, the read left cover, and the read rear cover.
- (3) Remove the 2 set screws, and remove the read front cover.



- (4) Shift the exposure unit to the cutout location at the center of the main body frame.
- (5) Remove the 2 set screws (through the holes in the frame), and remove the auxiliary reflecting mirror.



- (6) Remove the 1 connector and 2 set screws. Tilt and remove the exposure lamp.



- (7) Reinstall in the opposite sequence to removal.

Caution: Be careful when reinstalling the original glass. To install: push the glass against the left rear of the readout rear exterior, then hold the readout front cover against with glass hold plate.

And further, hold the glass plate, while pressing the cut portion of the read left cover.

[5] Removing and Reinstalling the Exposure Unit

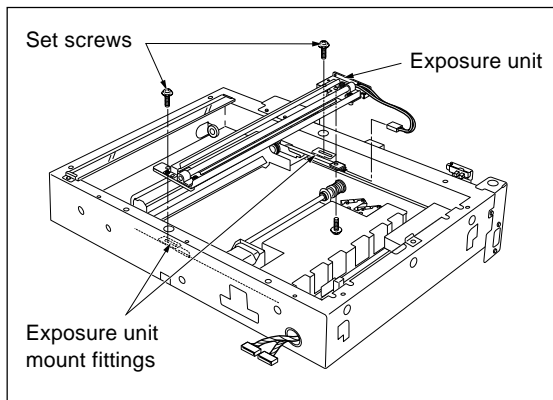
⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

Caution: Be sure to use optics positioning jig when reinstalling the exposure unit.

Be sure to clean the original glass before reinstalling it (to prevent degradation of image quality).

a. Removal procedure

- (1) Remove the read right cover and the original glass.
- (2) Remove the operation panel, read left cover, and read rear cover.
- (3) Remove the 2 set screws, and remove the read front cover.
- (4) Shift the exposure unit to the cutout location at the center of the main body frame.
- (5) The exposure unit is fixed in place by set screws fastened to the front and rear exposure unit mount fittings (1 screw in each fitting). Remove the 2 screws.

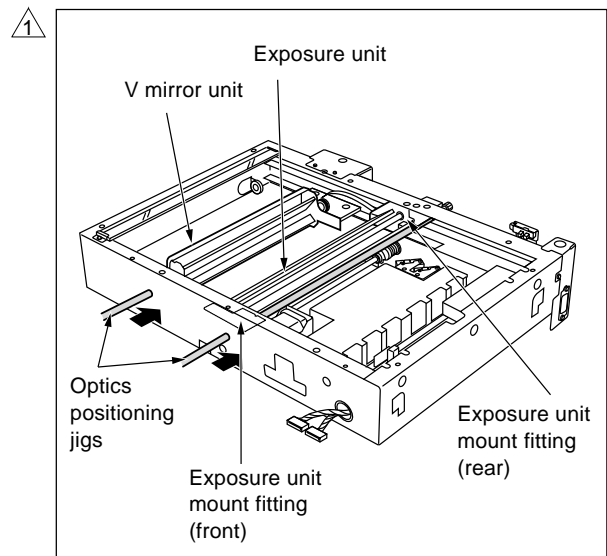


- (6) Tilt and slide the exposure unit to remove it from the frame.
- (7) Disconnect the exposure lamp connector.

b. Installation procedure

- (1) Fit the exposure unit into the main body.
- (2) Insert the front exposure unit mount fitting and rear exposure unit mount fitting into the corresponding slits in the exposure unit.
- (3) Shift the V mirror unit to the exit side. Through the front, insert the two optics positioning jigs so that they are at the installation location for the exposure unit. Pass the jig through the V mirror unit to fasten it in place.

Position the exposure unit by pushing it against the frame on the right side of the unit.

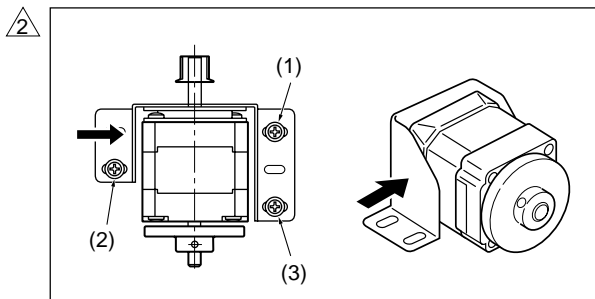
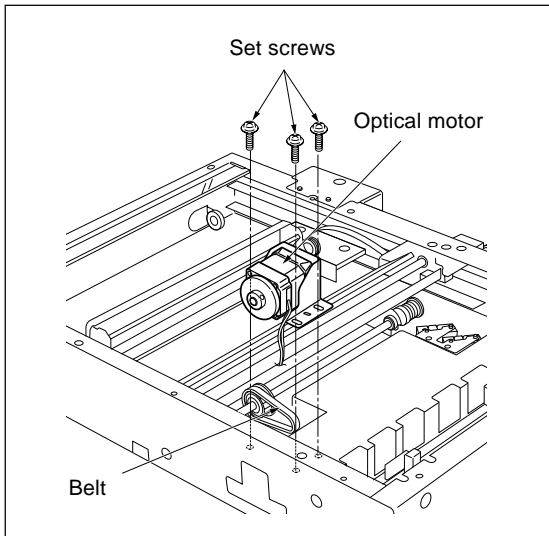


- (4) Fasten the front and rear exposure unit mount fittings into place (1 screw in each fitting).
- (5) Remove the optics positioning jigs.
- (6) Finish installation by reversing the sequence of the removal procedure.

[6] Removing and Reinstalling the Optics Drive Motor

a. Procedure

- (1) Remove the original glass.
- (2) Remove the 3 set screws, and remove the optical motor.



- ⚠ (3) When reinstalling the optics drive motor, tighten the screws in sequence while gently applying a load (approximately 1 kg) to the arrow direction.

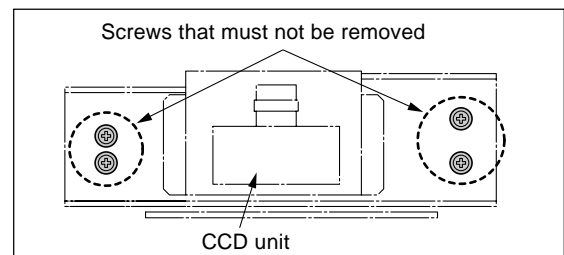
⚠ [7] Removing the Optics Wire

Caution1: There are two types of optics wire in existence (the old type: with a spring, and the new type: without a spring), so when removing them, reference should be made to the removal method for each type.

Caution2: When removing or reinstalling optics wires, be sure to use the optics positioning jig.

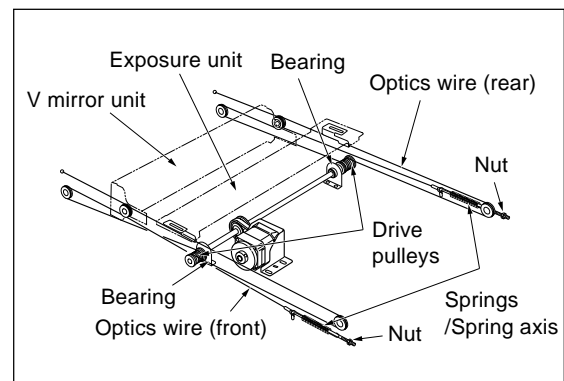
Be sure to perform image adjustment after replacing or reinstalling the wire. (For details, refer to "Adjustment section".)

Caution3: When removing optics wires, the screws shown in the figure below should absolutely not be removed.



a. Procedure (Old Type: With a spring)

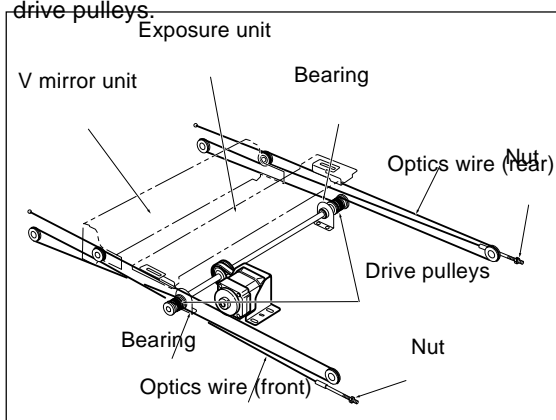
- (1) Unfasten and remove all externals from the read unit.
- (2) Shift the V mirror unit to the left side. Through the front, insert the optics positioning jig so that it is at the V mirror attachment location. Pass the jig through the V mirror unit to fasten it in place.
- (3) Remove the exposure unit.
- (4) Detach the springs and spring axes from the ends of the front and rear optics wires (1 spring on each wire), and remove the wires.
- (5) Remove the set screws holding the two drive pulley bearings in place (two screws on each pulley), and remove the bearings.
- (6) Remove the front and rear optics wires from the drive pulleys.



⚠ Caution: Do not change the position of the paint-locked nut on the spring shaft.

2 a. Procedure (New Type: Without a spring)

- (1) Unfasten and remove all externals from the read unit.
- (2) Shift the V mirror unit to the left side. Through the front, insert the optics positioning jig so that it is at the V mirror attachment location. Pass the jig through the V mirror unit to fasten the it in place.
- (3) Remove the exposure unit.
- (4) Detach the nuts and washers from the ends of the front and rear optics wires, and remove the wires.
- (5) Remove the set screws holding the two drive pulley bearings in place (two screws on each pulley), and remove the bearings.
- (6) Remove the front and rear optics wires from the drive pulleys.

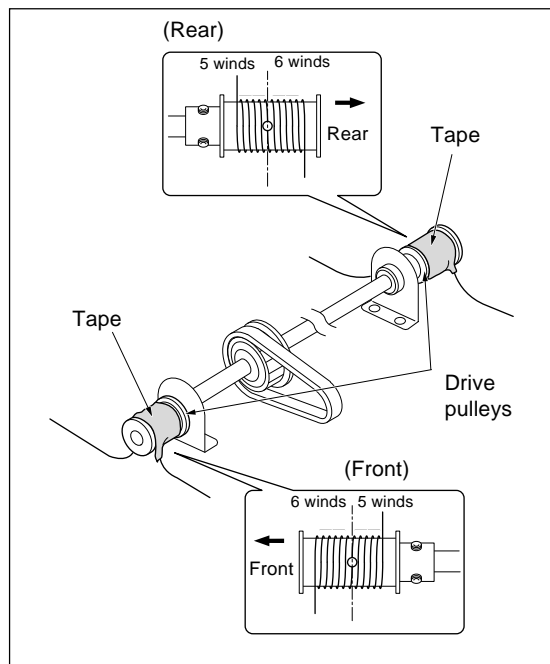


[8] Installing the Optics Wire

- Caution 1: When winding wire around pulleys, be sure that the winds are close. Be careful to avoid overlap.
- Caution 2: When changing the wire, be sure to use the optics positioning jigs.
- Caution 3: Be sure to perform image adjustment after installing the CCD unit. (Refer to the "Adjustment" section.)

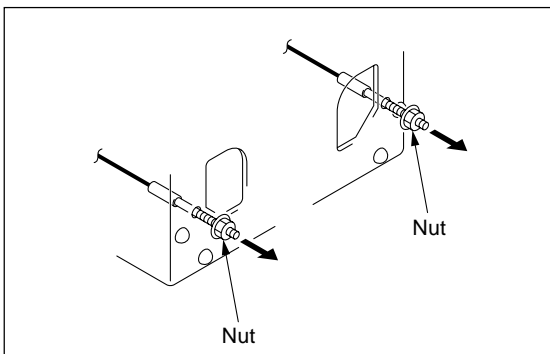
2 a. Procedure (Old Type: With a spring)

- (1) Fit the metal ball (midway along each optics wire) into the mount opening on the drive pulley. Starting from this position, wind 6 times around the outside and 5 times around the inside.
- After winding the wires, fasten them in place (with tape, etc.) so that they cannot come off.
 - Use the "F" exposure unit mount fitting (the fitting with the "F" printed on it) at the front, and use the "R" fitting at the rear.
 - The end with the metal ball at the tip winds around the inside of the pulley shaft.
 - Wind so that the two ends of the wire come off the top of the pulley.

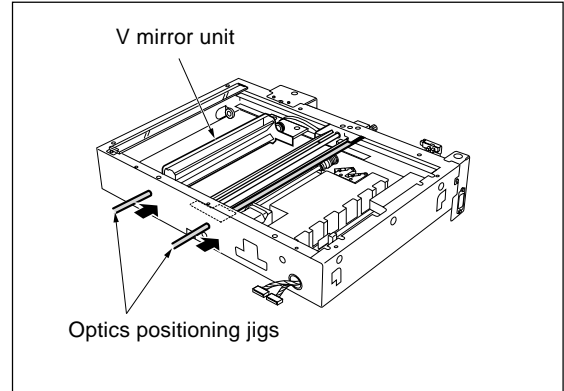
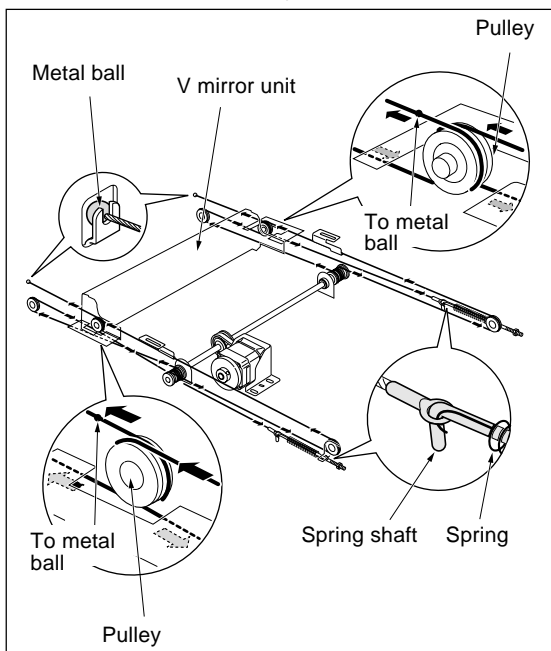


- (2) On the metal ball side, pass the optics wire so that it passes under the V mirror unit, through the left side pulley, and through the inside pulley on the V mirror unit. Hook the end of the wire onto the cutout on the frame.

- 4 (3) Pass the wire on the round-end side through the right side pulley. Then, pass the wire over the pulley on the outside of the V mirror unit, pass it under the V mirror unit, and fix it with spring shaft of the right side frame. Subsequently, hook the spring, pull the spring shift in the arrow direction, and check whether the tension of the nut departing from the read section is kept in 0.5 - 0.8 kg. If the tension is not kept in 0.5 - 0.8 kg, be sure to adjust the nut.

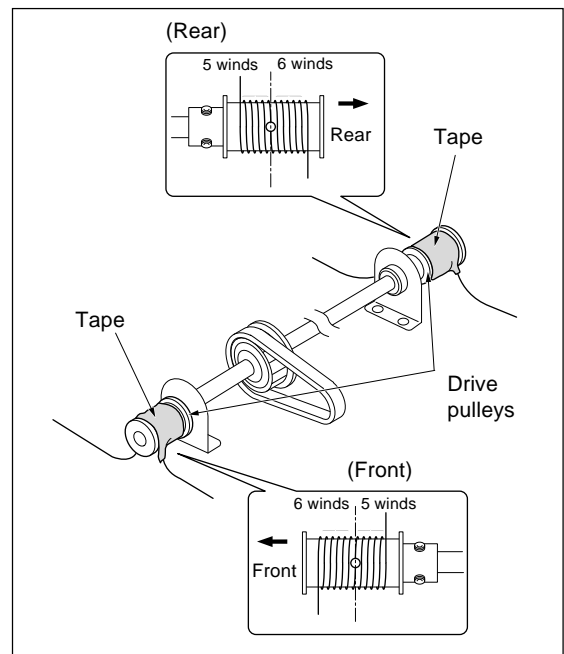


- (4) Fasten the drive pulley bearings into place with the attachment screws (2 screws each).
- (5) Using the optics positioning jigs to install the exposure unit.
- (6) Remove the jigs.
- (7) Slide the exposure unit two or three times to make sure that it works correctly.



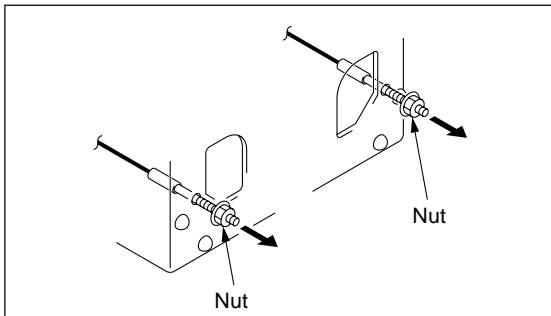
a. Procedure (New Type: Without a spring)

- (1) Fit the metal ball (midway along each optics wire) into the mount opening on the drive pulley. Starting from this position, wind 6 times around the outside and 5 times around the inside.
- After winding the wires, fasten them in place (with tape, etc.) so that they cannot come off.
 - Use the "F" exposure unit mount fitting (the fitting with the "F" printed on it) at the front, and use the "R" fitting at the rear.
 - The end with the metal ball at the tip winds around the inside of the pulley shaft.
 - Wind so that the two ends of the wire come off the top of the pulley.

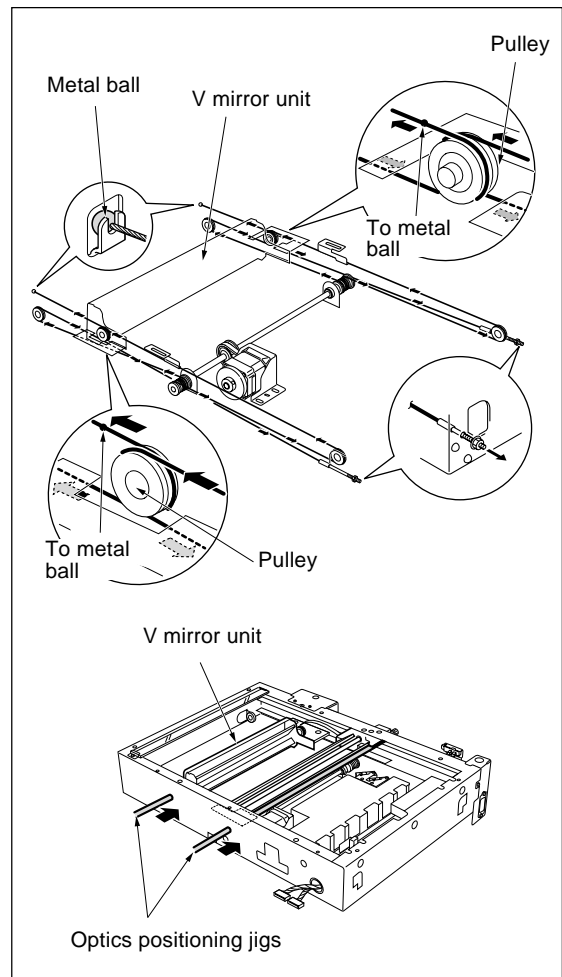


READ SECTION

- (2) On the metal ball side, pass the optics wire so that it passes under the V mirror unit, through the left side pulley, and through the inside pulley on the V mirror unit. Hook the end of the wire onto the cutout on the frame.
- (3) On the right side, pass the wire so that it passes through the right side pulley, passes over the pulley on the outside of the V mirror unit, and passes under the V mirror unit. Fasten the end to the right side frame with the spring.
- ⚠ (4) Pull the front and rear optics wires temporarily fastened with a spring balancer in the arrow direction, and fix the nuts with the tension of the nut departing from the read section kept in 0.9 - 1.5 kg.



- (5) Fasten the drive pulley bearings into place with the attachment screws (2 screws each).
- (6) Using the optics positioning jigs to install the exposure unit.
- (7) Remove the jigs.
- (8) Slide the exposure unit two or three times to make sure that it works correctly.



WRITE UNIT

[1] Removing and Reinstalling the Write Unit

⚠ Warning:

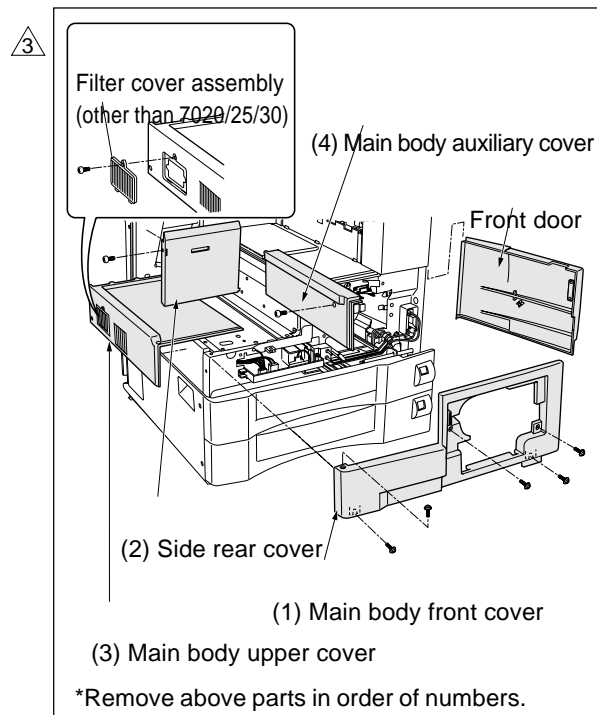
- (1) Never supply power while the write unit is out of its proper installed position.
- (2) Do not open the cover of the write unit while power is being supplied. Shining of the laser beam on the eye may cause blindness.
- (3) After turning the main power switch OFF, wait at least two minutes before removing the write unit.

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

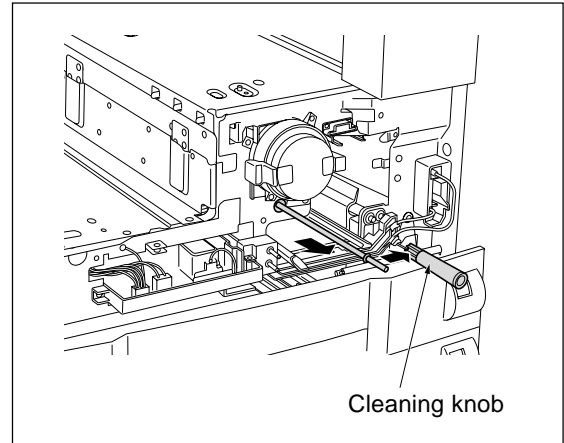
- Caution:** (1) When removing the write unit, take care to avoid touching with the write mirror and the dust proof glass. (Touching these areas may leave scratches and smudges.)
- (2) When installing the write unit, confirm that the PET sheet at the end is seated correctly in the duct.

a. Procedure

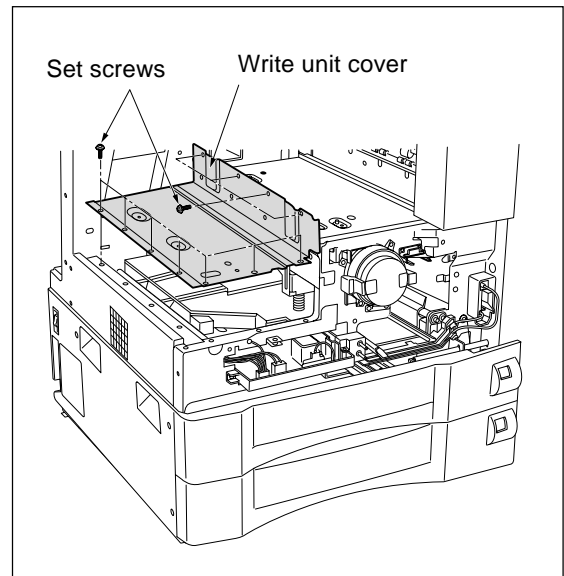
- (1) Open the front door and remove the drum unit and the developing unit.
- (2) Remove the exit tray, open the ADU door, and remove the main body front cover. Remove the side rear cover, the main-body upper cover, and the main-body auxiliary cover.



- (3) Remove the write cleaning knob from the dust proof glass cleaning rod and then push the rod to inside of main body.

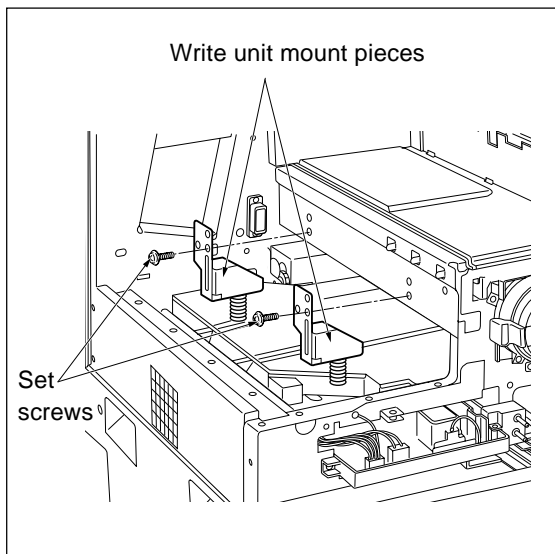


- (4) Remove the 11 set screws, and remove the write cover.

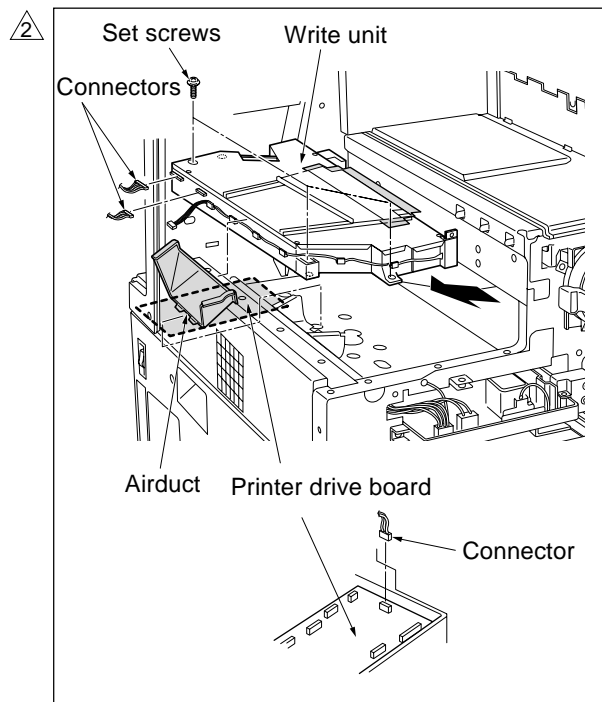


WRITE UNIT

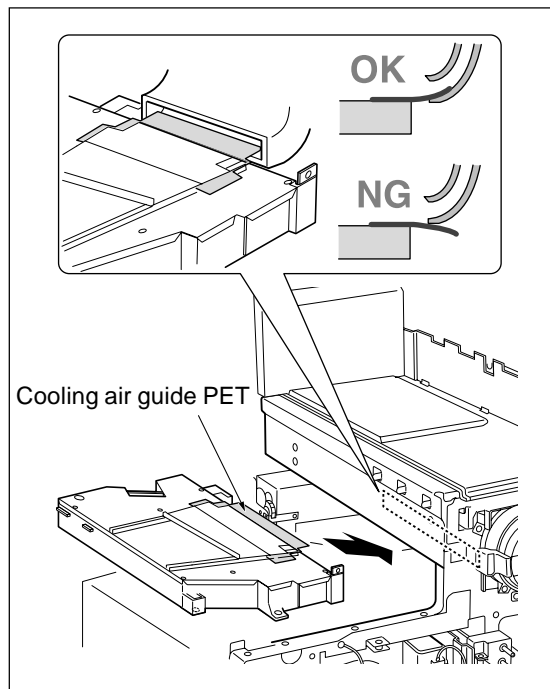
- (5) Remove the two write unit mount pieces (each is held in place by set screw).



- (6) Disconnect the 3 connectors.
- (7) Remove the 3 set screws (SEMS II: long screws), and remove the write unit by pulling it to the left. Also, remove the air duct connected to the fan.



- (8) Reinstall in the opposite sequence to removal.



Note: Reinstall the write unit while inserting the front edge of the cooling air guide PET into the specified position.

DRUM UNIT

[1] Removing and Reinstalling the Drum Unit

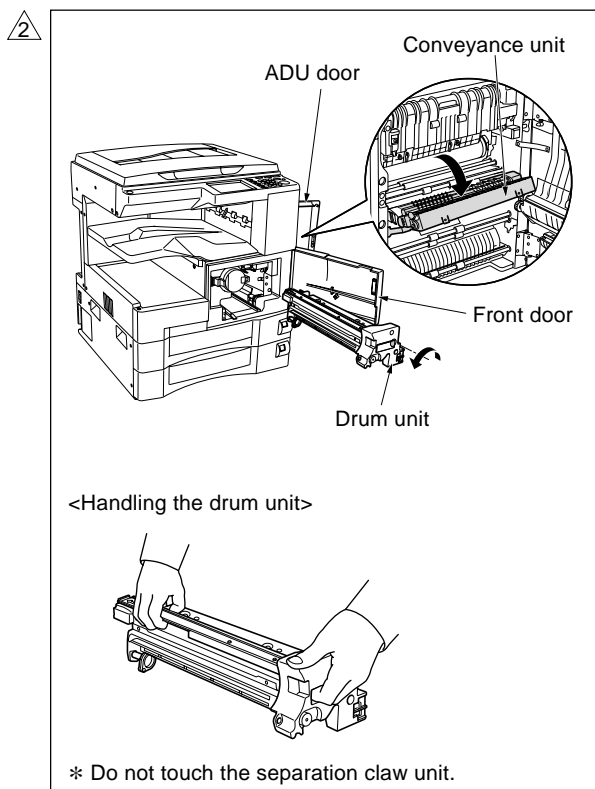
⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

Caution 1: After removing the drum unit, close the drum cover and store the unit in a dark place.

Caution 2: During removal and reinstallation work, never rotate the drum in the wrong direction (in the direction opposite to the direction it moves during normal copying). Rotating the drum in the reverse direction may cause scratches to the cleaning blade.

a. Procedure

- (1) Open the front door, loosen the set screw, and gently pull the developing unit out toward you.
- (2) Open the ADU door, and open the conveyance unit.
- (3) Loosen the set screw, and gently pull the drum unit out toward you until it stops. Then tilt it slightly and remove it.



- (4) Reinstall in the opposite sequence to removal.

[2] Removing and Reinstalling the Drum

Caution 1: Take care to avoid scratching the drum's light sensitive areas and the cleaning blade. Do not touch these areas with bare hands.

Caution 2: When removing or installing, never allow the drum to bump against the plate-metal part of the cleaning blade.

Caution 3: If you are going to place the drum in storage, be sure to place a cover on the drum (to cut off light to it) and store it in a dark place.

Caution 4: Before installing the drum and cleaning blade (regardless of whether new or used), be sure to coat these with setting powder. Apply the powder around the entire drum, and on both sides of the blade.

Caution 5: If you have coated setting powder onto the drum: Before installing the drum unit back into the main body, use an alcohol-soaked cloth to remove stray powder from the sensor surface on the toner control sensor board. This is necessary to ensure that accurate toner density readings are obtained.

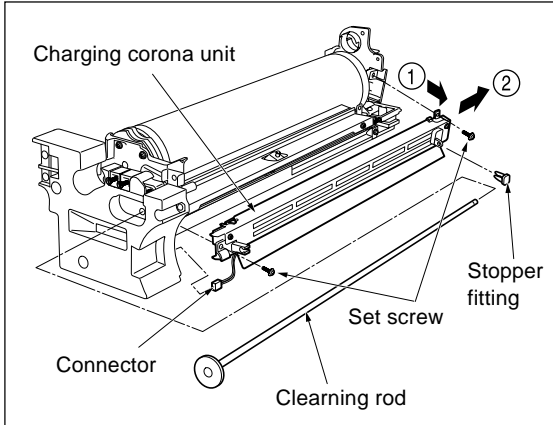
Caution 6: Be sure that the drum is oriented correctly before installing it. The convex end (bulging end) should be facing the rear.

Caution 7: After installing a new drum, be sure to reset the drum-related counters in the 36 mode.

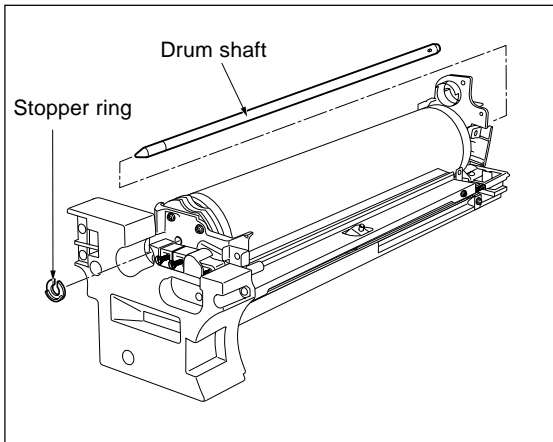
2 **Caution 8:** When removing the drum unit, do not place your hand on the separation claw unit.

a. Removing procedure

- (1) Remove the drum unit from the main body.
- (2) Set the unit so the drum is to the top.
- (3) Remove the cleaning rod's shaft stopper fitting, and pull out the cleaning rod.
- (4) Disconnect the connector from the drum unit.
- (5) Remove the two set screws, then disengage the rear of the charging corona unit in the direction of a, and remove the charging corona unit in the direction of b.

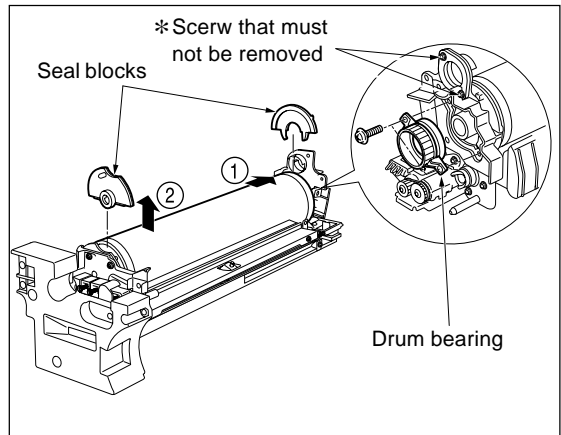


- (6) Remove the stopper ring, and pull out the drum shaft.



- (7) Remove the 2 set screws holding the drum bearing in place, and remove the bearing.

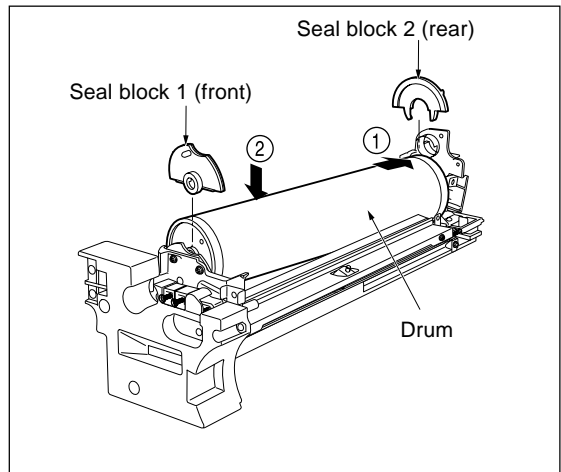
- (8) Remove the 2 semicircular seal blocks (one on each end of the drum).
- (9) To remove the drum, push it back toward the rear and lift it up and out from the front.



b. Installing procedure

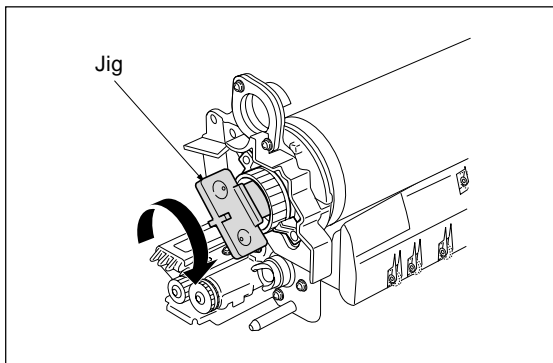
Caution: Be sure that the toner collection sheet makes contact with the entire span of the drum, with no gaps.

- (1) Coat the entire surface of the drum with setting powder.
- (2) Fit the convex end of the drum into the rear side of the unit, then set the drum down into the unit. Reattach the two seal blocks (one at each end of the drum).



- (3) Reattach the drum bearing. Fasten it into place with the 2 set screws.
- (4) Insert the drum shaft and reattach the stopper.

- (5) Using the jig included on the drum unit cover, rotate the drum clockwise and confirm that there are no gaps in the setting powder coat, and that the toner collection sheet and cleaning blade are smooth, etc.



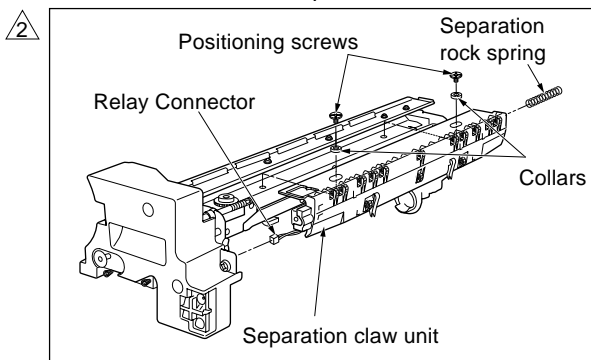
- (6) Install the charging corona unit. Fasten it into place with 2 set screws.

[3] Removing and Reinstalling the Separation Claw

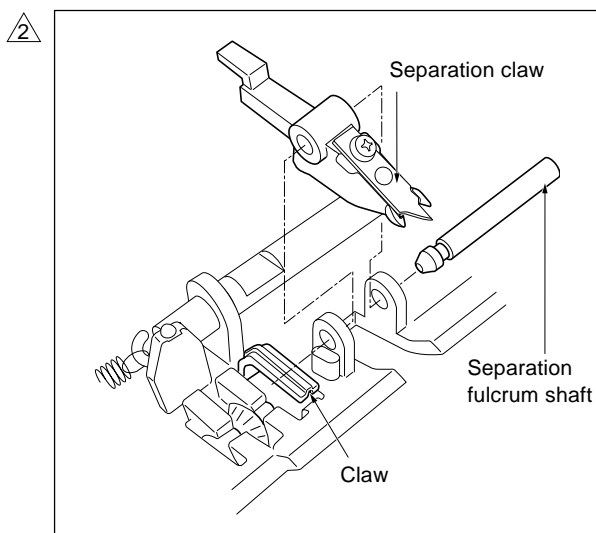
- Caution 1:** While removing or installing the claw, be careful to avoid damage to the drum.
- Caution 2:** When installing the claw, be sure that it is correctly oriented and positioned.
- Caution 3:** Do not touch the cleaning blade or the drum's light sensitive areas with bare hands.

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the drum from the drum unit.
- (3) Disconnect the relay connector.
- (4) Remove the separation rock spring.
- ⚠ (5) Remove the 2 positioning screws and the 2 collars, and then remove the separation claw unit.



- ⚠ (6) Pull out the separation fulcrum shaft while pressing down the claw and remove the 2 separation claws.



- (7) Reinstall in the opposite sequence to removal.

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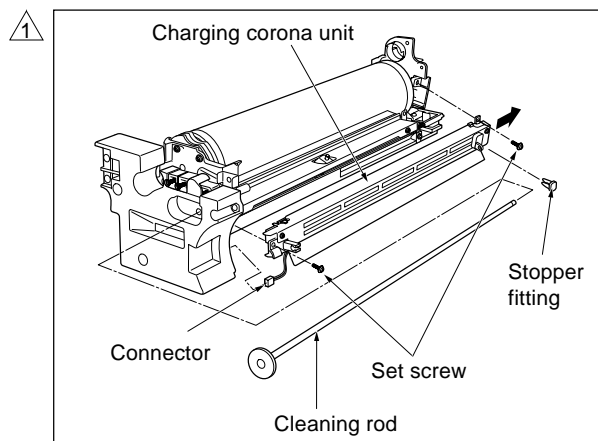
CORONA UNIT SECTION

[1] Removing and Reinstalling the Charging Corona Unit

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the cleaning rod's shaft stopper fitting, and pull out the cleaning rod.
- (3) Disconnect the connector from the drum unit.
- (4) Remove the 2 set screws, and remove the charging corona unit by pulling it out from the rear.



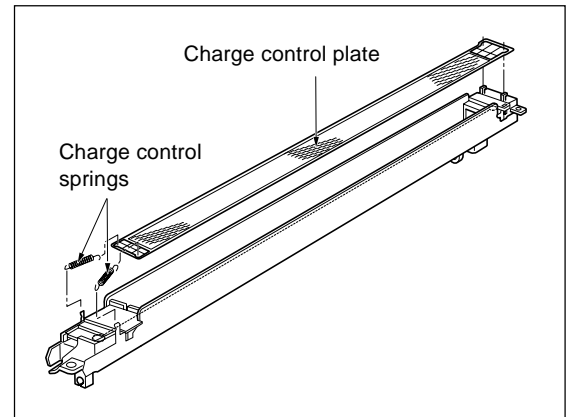
- (5) Reinstall in the opposite sequence to removal.

[2] Removing and Reinstalling the Charge Control Plate

⚠ Caution: When reinstalling, be sure to set the charge control plate so that the spring held end is toward the front of the charging corona unit.

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the charging corona unit. Move the charging cleaning block to its home position (at the right side).
- (3) Remove the 2 charge control springs, and remove the charge control plate.
- (4) To clean, use: Tap lightly with a cloth soaked in drum cleaner, then use a blower brush to remove remaining debris.

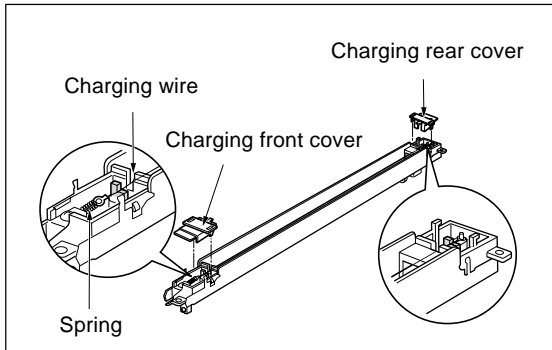


- (5) Reinstall in the opposite sequence to removal.

[3] Replacing the Charging Wire

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the charging corona unit. Move the charging cleaning block to its home position (at the right side).
- (3) Remove the charge control plate.
- (4) Remove the 2 charging covers (charging rear cover, and charging front cover).
- (5) Remove the spring, and remove the charging wire.



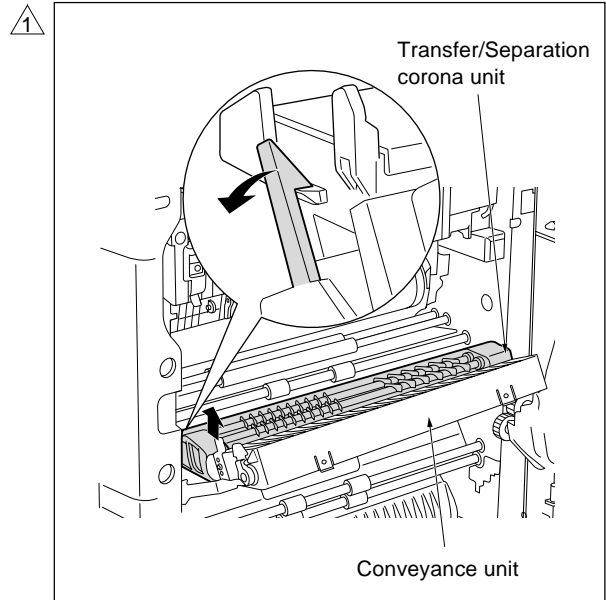
- (6) To install the replacement wire: first fasten the rear end of the wire to the unit, then pass the wire through the charging cleaning block and fix it in place with the spring. Then complete the installation by reversing the steps above.

[4] Removing and Reinstalling the Transfer/Separation Corona Unit

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

a. Procedure

- (1) Open the ADU door.
- (2) Pull the conveyance unit toward you to open.
- ⚠** (3) Push the left catch of the transfer/separation corona unit, then remove the unit.

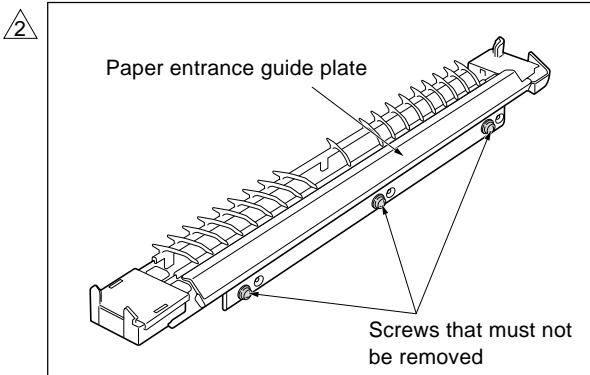


- (4) Reinstall in the opposite sequence to removal.

Caution: When installing the Transfer/Separation corona unit, be sure that the cleaning material is in home position at the right side.

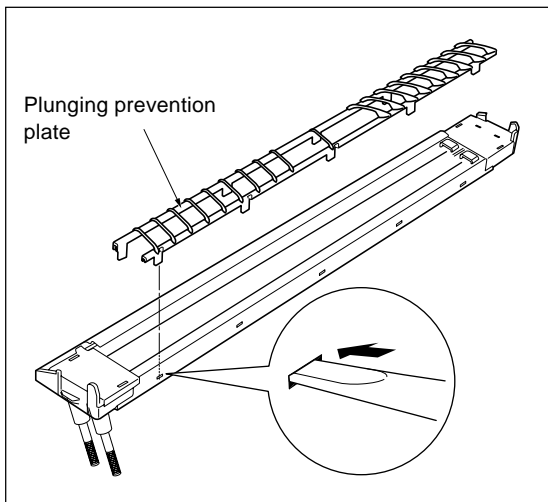
[5] Replacing the Transfer and Separation Wires

Caution: Do not remove the paper entrance guide plate.

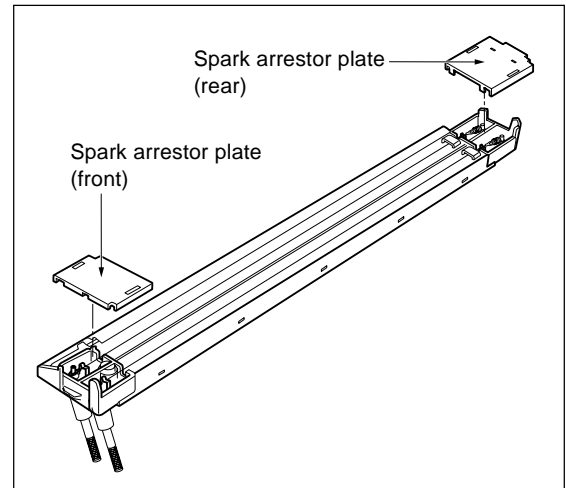


a. Procedure

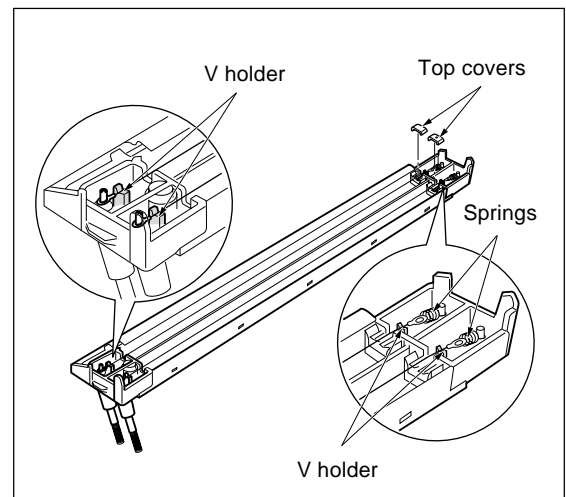
- (1) Remove the transfer and separation corona unit from the main body.
- (2) Use a tweezers to remove the hook from the transfer and separation corona unit. Then remove the plunging prevention plate.



- (3) Remove the front and rear spark arrester plates.



- (4) Move the cleaning block to home position, and remove the top covers from the cleaning block.
- (5) Remove the spring from each wire, and remove the wires.



- (6) Reinstall in the opposite sequence to removal.

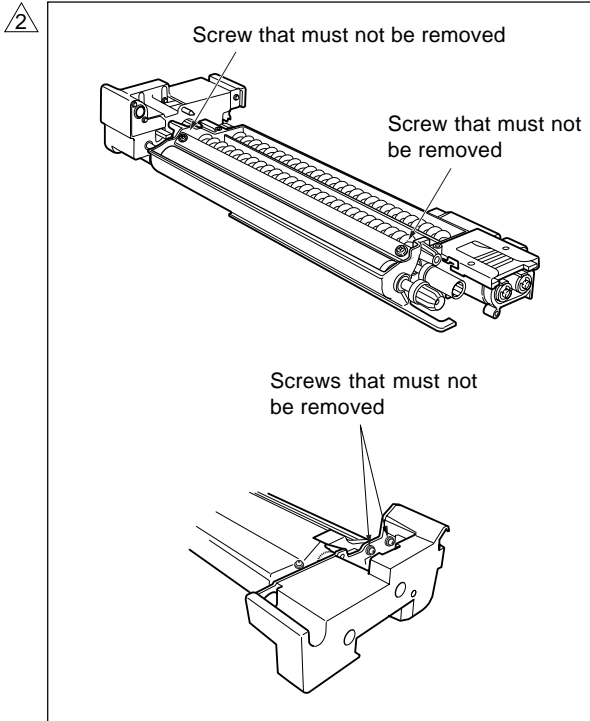
Caution: When installing the wire, be sure that the cleaning block is in home position at the right side. Stretch the wire so that it fits into the V holders.

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DEVELOPING UNIT

[1] Screws That Must Not be Removed

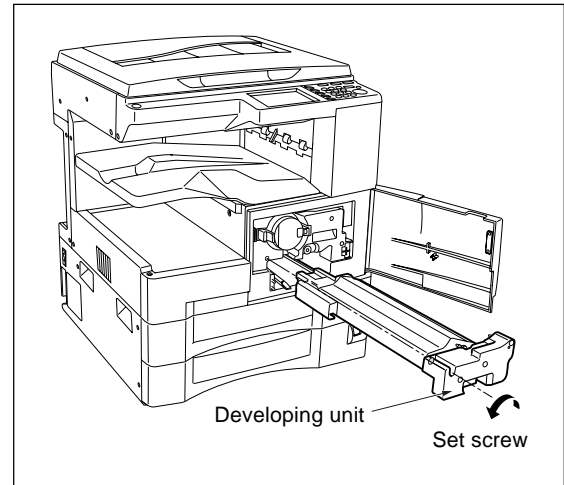
Caution: The 4 set screws below must not be removed or adjusted in the field. Please do not interfere with these screws.



[2] Removing and Reinstalling the Developing Unit

a. Procedure

- (1) Remove the set screw fastening the developing unit in place.
- (2) Pull the developing unit outward to remove.



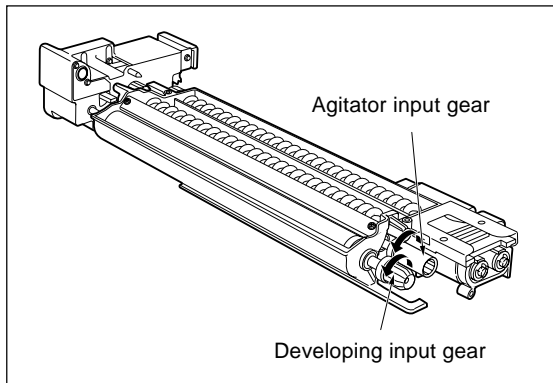
- (3) To reinstall: Fit the rails on the bottom of the developing unit onto the grooves on the main body, and slide the unit into place. Then fasten into place with the attachment screw.

[3] Replacing the Developer

Caution 1: When carrying out replacement, take care to prevent dirt and debris from entering the system.

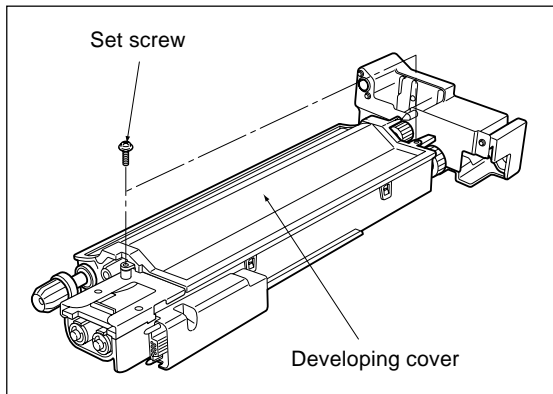
Caution 2: After installing new developer, do not turn the developer-input gear or agitator input gear in the clockwise (reverse) direction.

Caution 3: After replacing developer, carry out L detection adjustment before making copies.



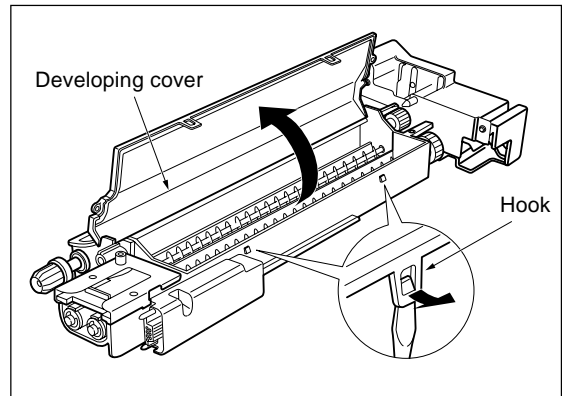
a. Procedure

- (1) Remove the developing unit from the main body.
- (2) Remove the 2 set screws holding the developing cover in place.

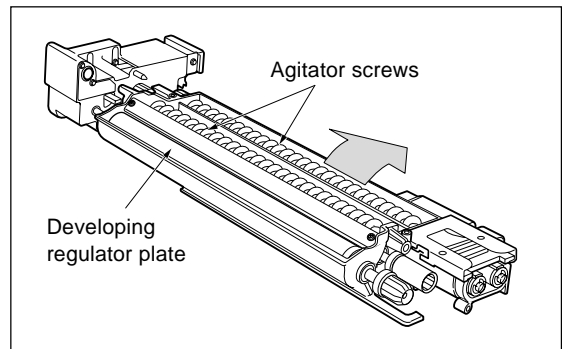


Caution : The 2 set screws of the developing cover are used only in an old type machines (7020/25/30/35).

- (3) Release the hooks. Lift the developing cover, and remove it.

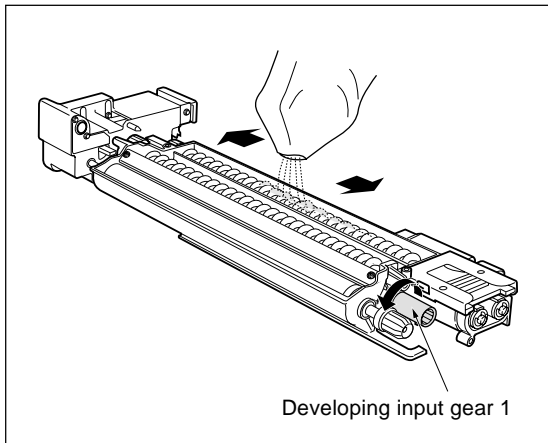


- (4) Tilt the developing unit so that the agitator screws are toward the bottom, and rotate the agitator input gear counterclockwise as necessary to discharge all developer from within the developing unit and from the developing sleeve.
- (5) Wipe away any toner remaining on the developing regulator plate.

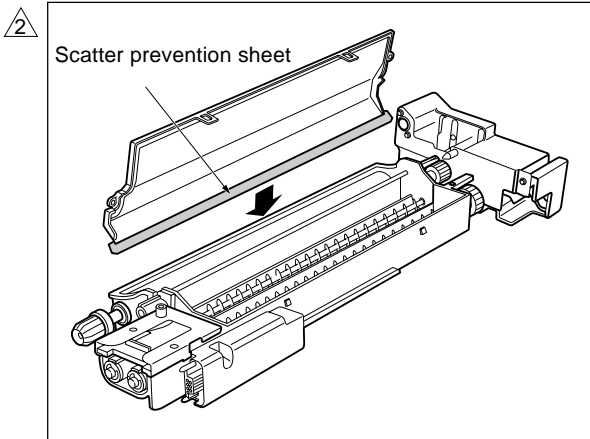


- (6) Pour new developer evenly over the agitator screws.

- (7) Rotate the agitator input gear 1 counterclockwise so that the developer moves into the inside of the developing unit.



- (8) Repeat steps (6) and (7) as necessary to load all of the developer.
- (9) Rotate the developing input gear counterclockwise and check the bristle height along the entire surface of the developing sleeve.
- (10) Reinstall the developing cover, and fasten it in place with the 2 set screws. Be careful to keep the cover clear of the scatter prevention sheet.



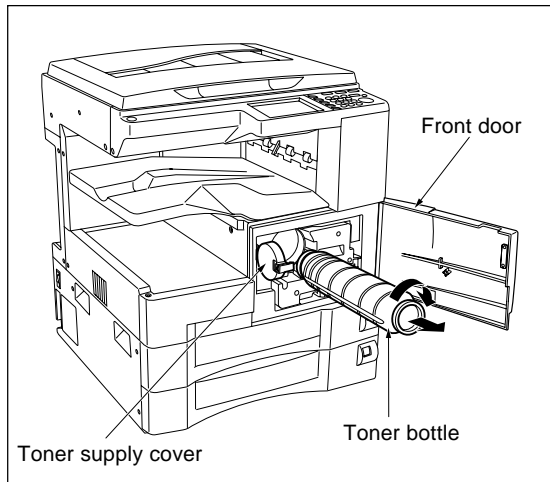
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TONER SUPPLY UNIT

[1] Removing and Reinstalling the Toner Bottle

a. Procedure

- (1) Open the front cover, and then open the toner-supply cover.
- (2) Pull the toner bottle slightly out, and turn it clockwise so that the upper part of the cartridge aligns with the cutout.
- (3) Withdraw the toner bottle.



- (4) Reinstall in the opposite sequence to removal.

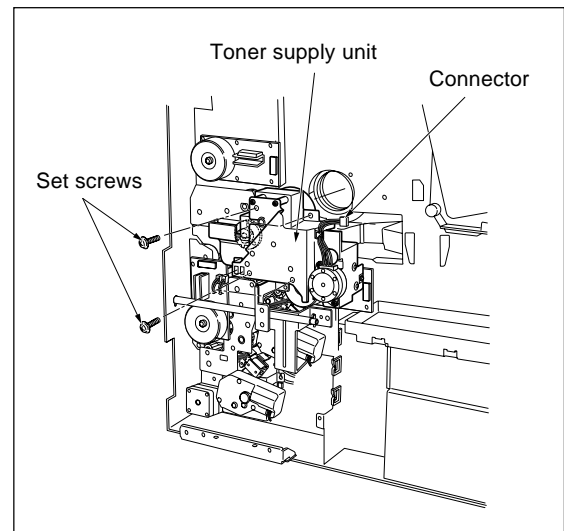
[2] Removing and Reinstalling the Toner Supply Unit

a. Procedure

- (1) Remove the toner bottle.
- (2) Remove the rear cover.
- (3) Remove the overall control board unit.

Caution: Note that there are numerous connectors connected to the overall control board. You can either disconnect the connectors, or keep the board close to its present location.

- ⚠ (4) Remove the set screw, and remove the drum rotating plate.
- (5) Remove the 3 connectors.
- (6) Remove the 4 set screws, and remove the toner-supply unit by pulling it toward you.



- (7) Reinstall in the opposite sequence to removal.

Blank

CLEANING/TONER RECYCLE UNIT

[1] Removing and Reinstalling the Cleaning Blade

Caution: Be sure that the power cord has been unplugged from the outlet.

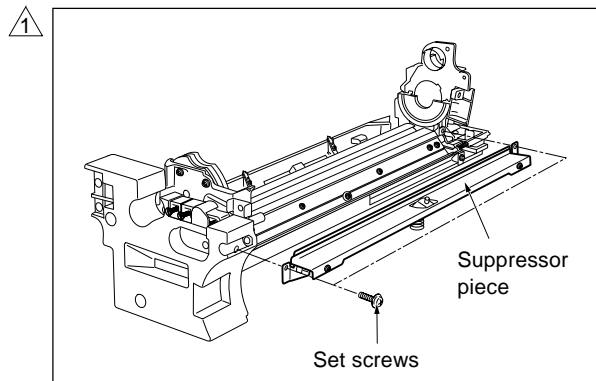
Caution 1: Be careful of the cleaning blade edge. Do not touch the edge with bare hands, and take care to avoid scratching it.

Caution 2: Before installing the drum and cleaning blade (regardless of whether new or used), be sure to coat these with setting powder. Apply the powder around the entire drum, and on both sides of the blade.

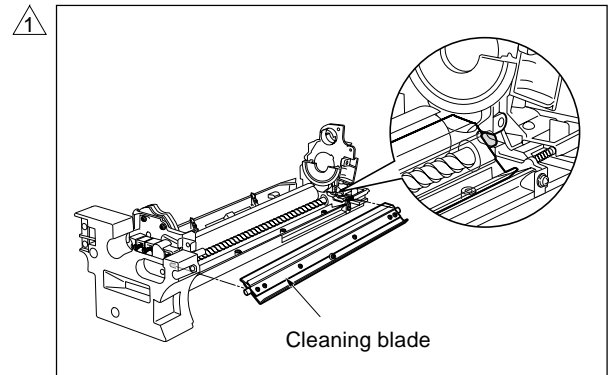
Caution 3: If you have coated setting powder onto the drum: Before installing the drum unit rear into the main body, use an drum cleaner cloth to remove stray powder from the sensor surface on the toner control sensor board. This is necessary to ensure that accurate toner density readings are obtained.

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the charging corona unit.
- (3) Remove the drum from the drum unit.
- (4) Remove the 2 set screws, and remove the fitting (suppressor piece) holding the cleaning blade in place.

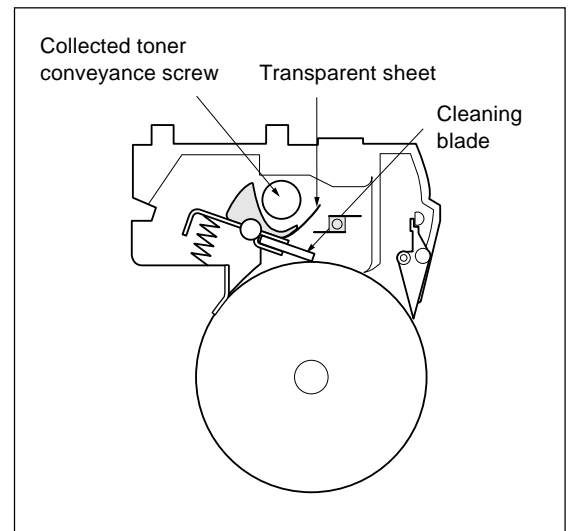


- (5) Remove the cleaning blade.



- (6) Reinstall in the opposite sequence to removal.

Caution: When installing the cleaning blade, install so that the unit's transparent sheet is oriented as shown in the diagram.



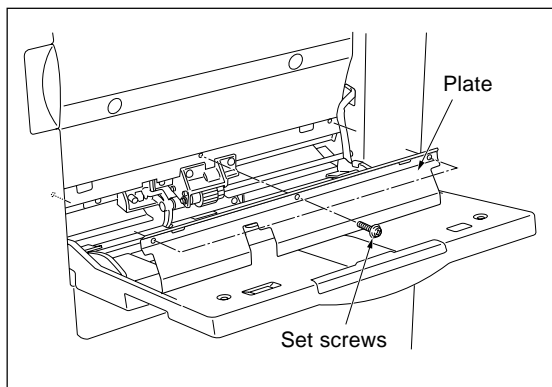
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PAPER FEED UNIT

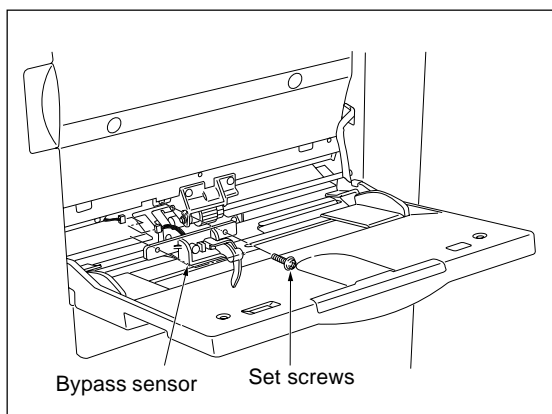
[1] Replacing the Bypass Pickup Roller/Bypass Conveyance Roller

a. Procedure

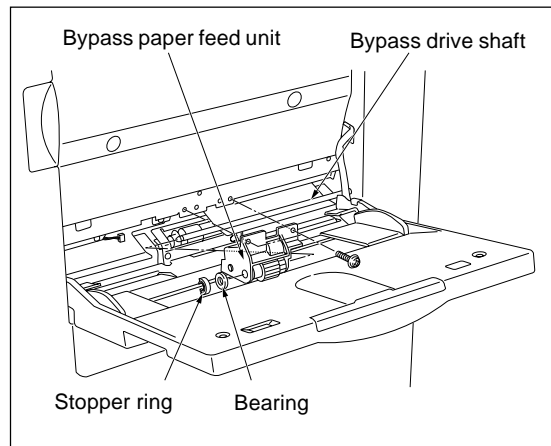
- (1) Open the bypass tray.
- (2) Remove the 3 set screws and remove the plate.



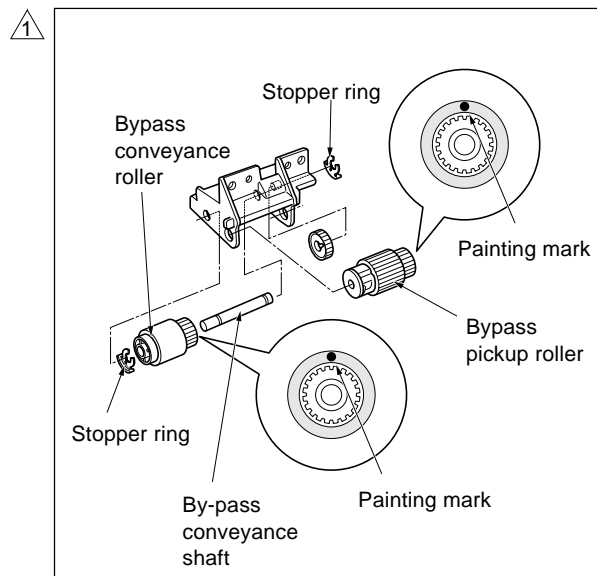
- (3) Remove the 2 set screws and the connector, then remove the bypass sensor.



- (4) Remove the stopper ring and the bearing.
- (5) Remove the 2 set screws, and slide the bypass paper feed unit left to remove it from the bypass drive shaft, so that the by-pass pickup roller comes off.



- (6) Remove the 2 stopper rings.
- (7) Pull out the bypass conveyance shaft, and remove the bypass conveyance roller.



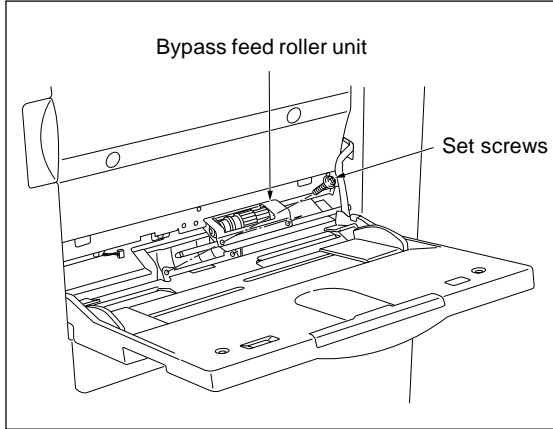
- (8) Reinstall in the opposite sequence to removal.

Caution: When reinstalling rollers, pay attention to their orientation.

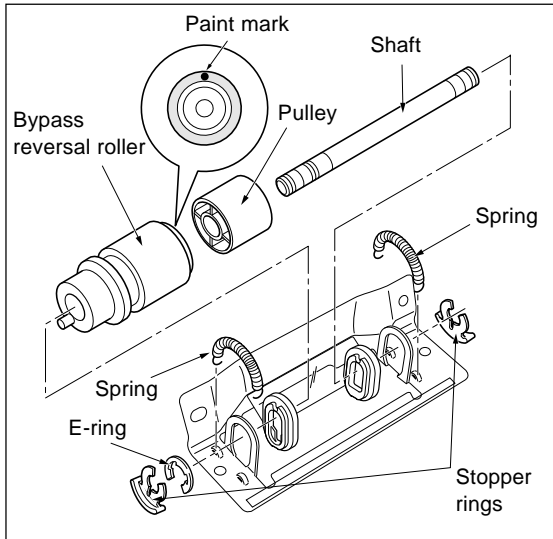
[2] Replacing the Bypass Reversal Roller

a. Procedure

- (1) Remove the bypass feed roller unit.
- (2) Remove the 2 set screws, and remove the unit.



- (3) Remove the 2 stopper rings, and pull out the shaft.
- (4) Remove the 2 stop rings and the E ring, then pull out the shaft to the side where there is no E ring.

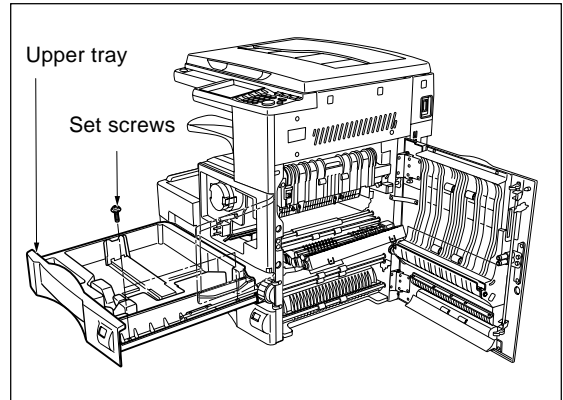


- (5) Reinstall in the opposite sequence to removal.

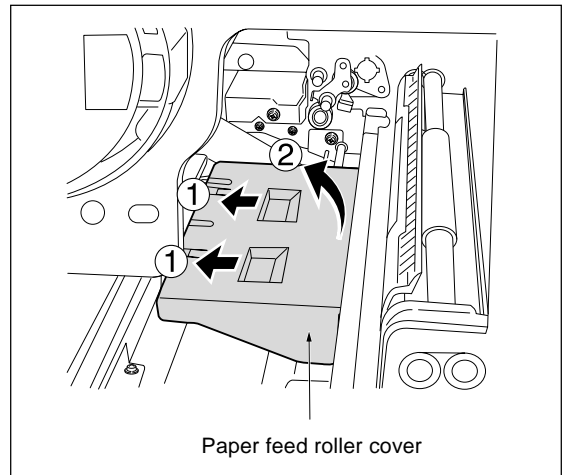
[3] Replacing the Feed Rubber and the Double Feed Prevention Upper Rubber (Upper Tray)

a. Procedure

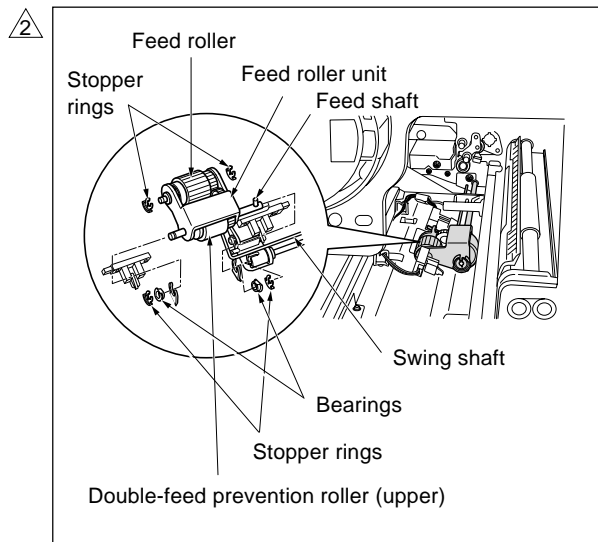
- (1) Open the ADU door, and then open the conveyance unit.
- ⚠ (2) Remove the developing unit, the drum unit and the write unit.
- (3) Slide the upper tray out. Remove the 2 set screws holding the tray in place, and take the tray off.



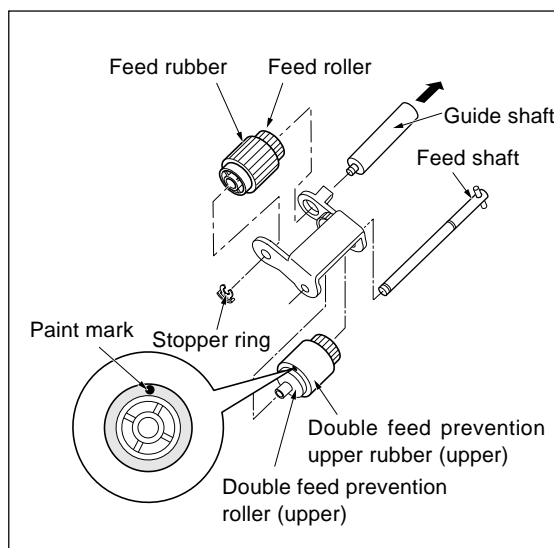
- (4) Remove the paper feed roller cover in the direction of arrow 1 while pushing it in the direction of arrow 2.



- (5) Remove the 2 stopper rings, and remove the bearings from the plate.
- (6) Lift the left shaft and remove the feed roller unit.
- (7) Pull out the feed shaft, and remove the double feed prevention roller (upper).



- (8) Remove the stopper ring, pull the guide shaft out of the feed roller unit, and remove the feed roller.
- (9) Remove the feed rubber from the feed roller.
- (10) Remove the feed shaft and then remove the double feed prevention roller (upper).
- (11) Remove the double feed prevention upper rubber (upper) from the double feed prevention roller (upper).



- (12) Reinstall in the opposite sequence to removal.

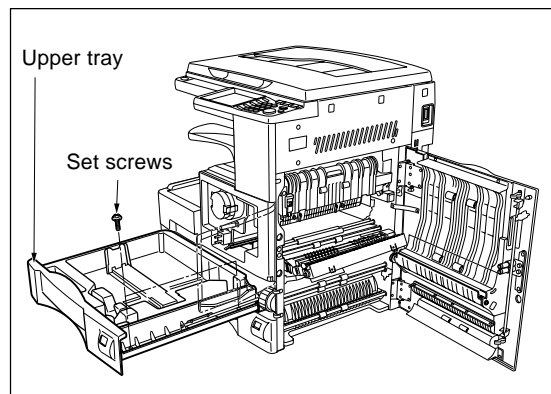
Caution: Be sure to install the roller rubbers in the correct direction.

Install so that the swing shaft goes to the inside of the feed roller unit.

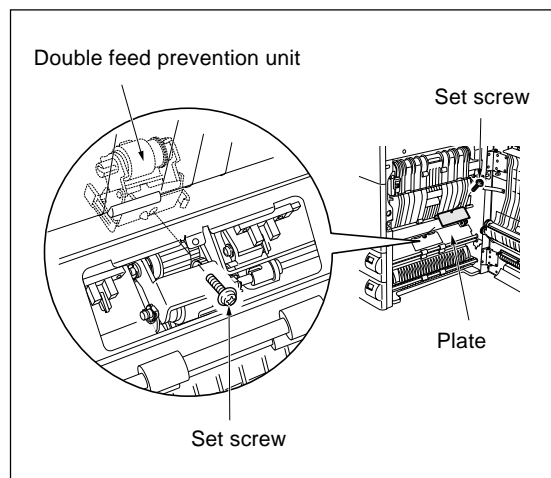
[4] Replacing the Double Feed Prevention Lower Rubber (Upper Tray)

a. Procedure

- (1) Open the ADU door, and then open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Slide the upper tray out. Remove the 2 set screws holding the tray in place, and take the tray off.

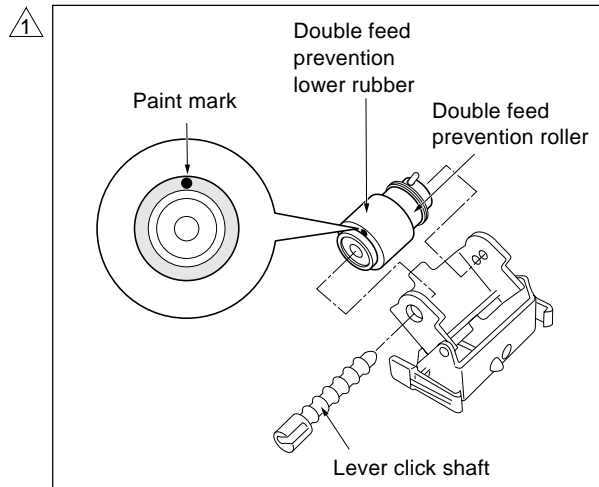


- (4) Remove the set screw, and remove the plate. Then remove the set screw fastening the double feed prevention roller unit in place.



- (5) From the inside of the main body, press on the two ends of the roller unit and remove it.

- (6) While pressing on the lever on the lever click shaft, pull out the shaft and then remove the double feed prevention roller.



- (7) Remove the double feed prevention lower rubber from the roller.
 (8) Reinstall in the opposite sequence to removal.

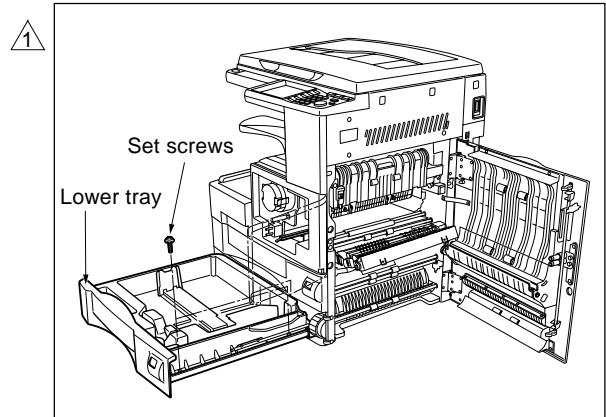
Caution: Be sure to install the roller rubbers in the correct orientation.

: When installing the double feed prevention unit into the main body, align the unit with the center of the marking stamped on the main-body plate.

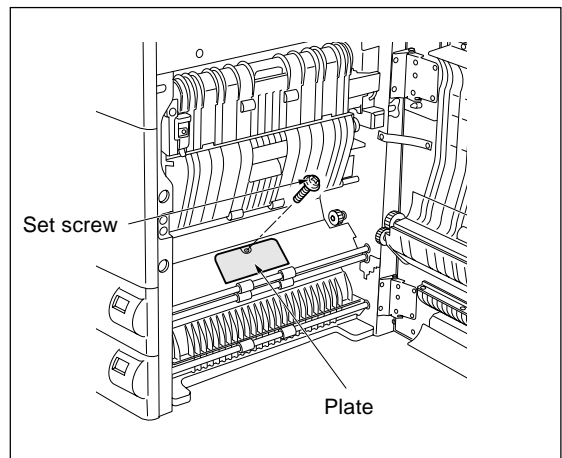
[5] Replacing the Feed Rubber and Double Feed Prevention Upper Rubber (Lower Tray)

a. Procedure

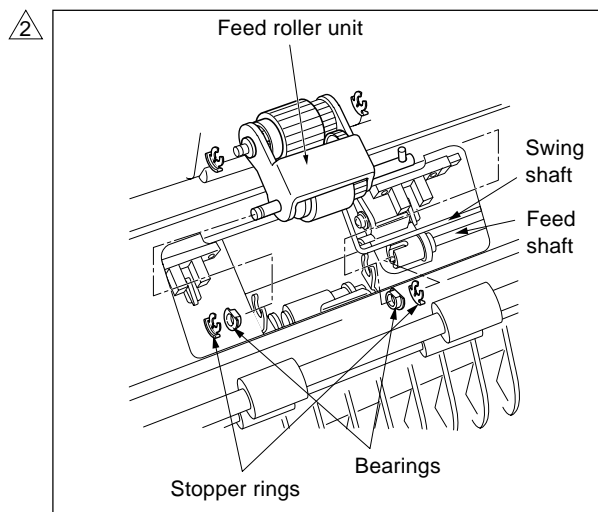
- (1) Open the ADU door, and then open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Slide the lower tray out. Remove the 2 set screws holding the tray in place, and take the tray off.



- (4) Remove the set screw, and remove the plate.



- (5) Remove the 2 stopper rings, and remove the bearings from the plate.
- (6) Lift the left shaft and remove the feed roller unit.
- (7) Pull out the feed shaft and remove the double feed prevention roller (upper).

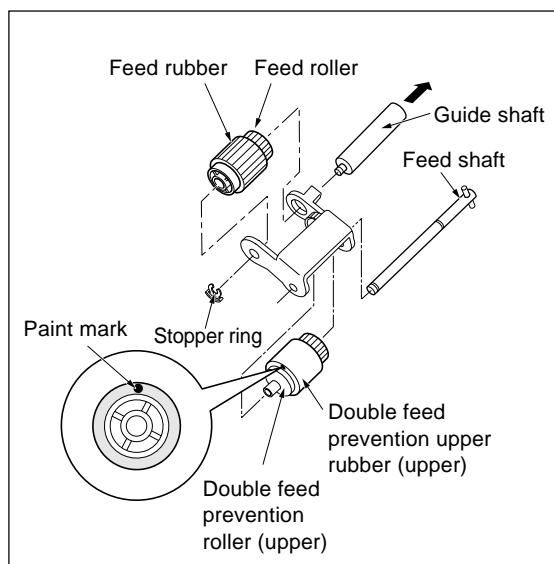


- (12) Reinstall in the opposite sequence to removal.

Caution: Be sure to install the roller rubbers in the correct direction.

Install so that the swing shaft goes to the inside of the feed roller unit.

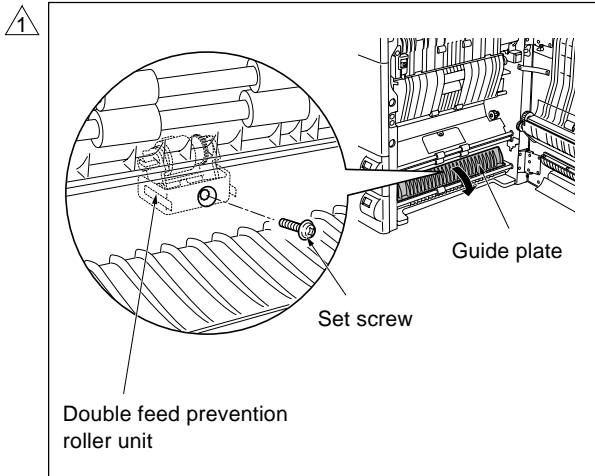
- (8) Remove the 1 stopper ring, pull the guide shaft out of the feed roller unit, and remove the feed roller.
- (9) Remove the feed rubber from the feed roller.
- (10) Remove the feed shaft and then remove the double feed prevention roller (upper).
- (11) Remove the double feed prevention upper rubber (upper) from the double feed prevention roller (upper).



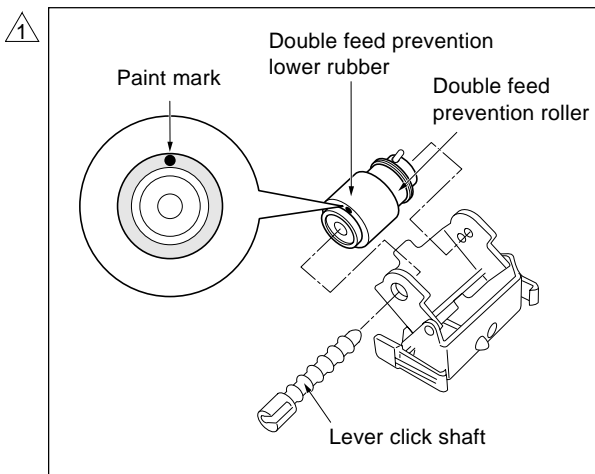
[6] Replacing the DF Prevention Lower Rubber (Lower Tray)

a. Procedure

- (1) Open the ADU door, and then open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Slide the lower tray out. Remove the 2 set screws holding the tray in place, and take the tray off.
- (4) Open the guide plate, and remove the set screw fastening the double feed prevention roller unit in place.



- (5) From the inside of the main body, press on the two ends of the roller unit and remove it.
- (6) While pressing on the lever on the lever click shaft, pull out the shaft and then remove the double feed prevention roller.

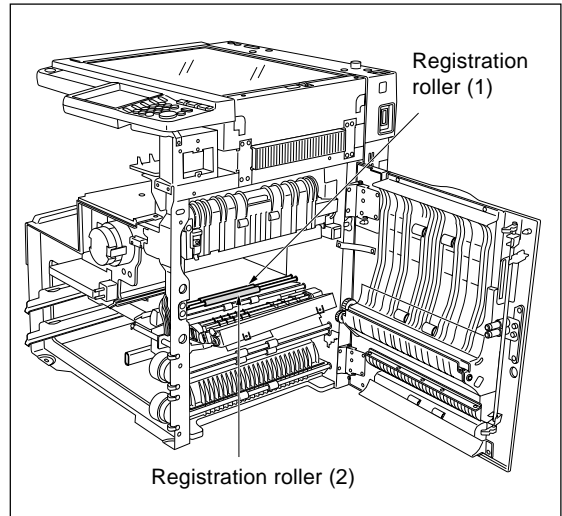


- (7) Remove the double feed prevention lower rubber from the roller.
- (8) Reinstall in the opposite sequence to removal.

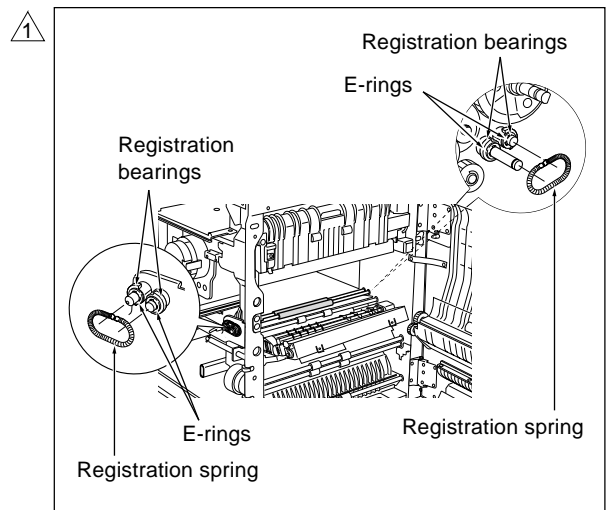
[7] Replacing the Registration Rollers 1 and 2

a. Procedure

- (1) Open the ADU door, and then open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Slide the upper tray out. Remove the 2 set screws holding the tray in place, and take the tray off.
- (4) Slide the lower tray out. Remove the 2 set screws holding the tray in place, and take the tray off.
- (5) Remove the registration clutch.
- (6) Remove the all external cover from the front.



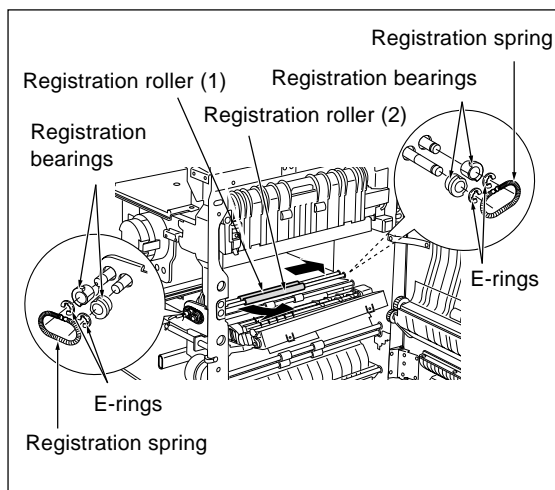
- (7) Stretch the 2 registration springs (front and rear) upward and remove them from the flanges on the registration bearings.



- (8) Remove the E-ring and registration bearing at each end of each shaft (4 E-rings and 4 bearings in total).

Caution: Be careful to avoid dropping E-rings and bearings into the main unit.

- (9) Remove the registration rollers from the interior of the main body.



- (10) Reinstall in the opposite sequence to removal.

Caution: Install each registration bearing so that the flat part is flush on the inside.

Leave the registration springs hooked (do not unhook them) when removing and reinstalling them. Install the springs so that the hook part is located at the top between the two shafts.

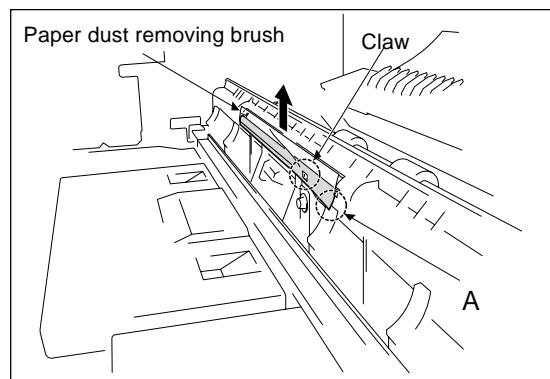
⚠ [8] Cleaning Paper Dust Removing Brush

a. Removal procedure

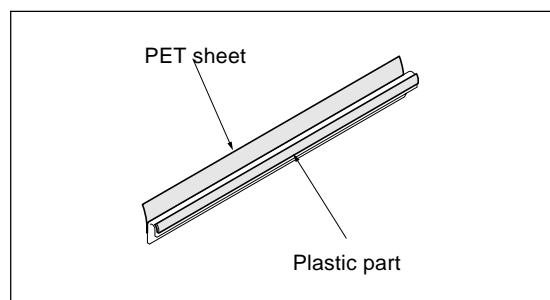
- (1) Open the ADU door, and open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Remove the paper dust removing brush.

To remove the brush, raise the A part and disengage the claw, then pull out the brush in the direction of the arrow.

Caution: Do not bend the metal plate of the paper dust removing brush.

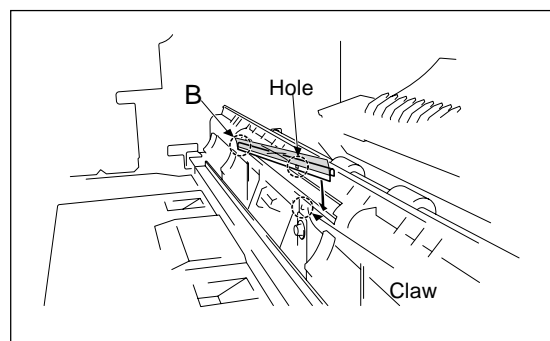


- (4) Clean the PET sheet and the plastic part using a cleaning pad and a blower brush.



b. Installation procedure

- (1) Insert the paper dust removing brush from the B (rear) side, and confirm that the hole in the brush is engaged with the claw.



- (2) After this, install the brush using the reverse procedure to removal.

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FIXING UNIT

[1] Removing and Reinstalling the Fixing Unit

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

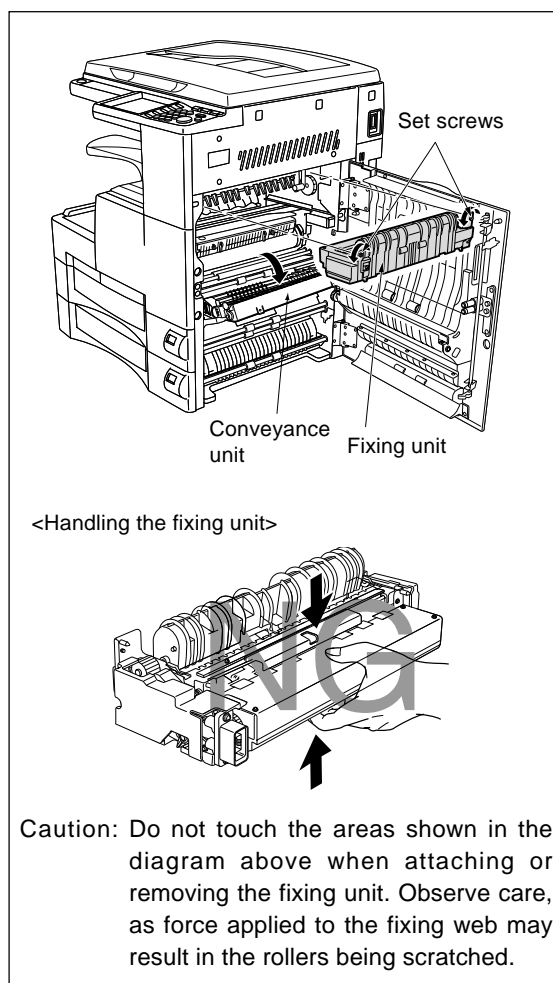
The fixing unit remains extremely hot immediately after power is switched OFF. To avoid injury from burns, do not begin work until the fixing unit has cooled down sufficiently.

⚠ Caution: When installing the fixing unit, be sure to firmly tighten the unit's 2 set screws.

a. Procedure

- (1) Open the ADU door and the conveyance unit, and loosen the 2 set screws holding the fixing unit in place.
- (2) Pull the fixing unit out toward you and remove it.

2



- (3) Reinstall in the opposite sequence to removal.

[2] Replacing the Fixing Heater Lamps (Main Lamp and Sub Lamp)

⚠ Caution: Do not touch the lamp area with bare hands.

Caution 1: When installing, be sure that manufacturer's mark is mounted on the front side.

Caution 2: Do not allow the heater lamps to make contact with the inside of the roller.

Caution 3: Install so that the main lamp is at the top, and the sub lamp is at the bottom.

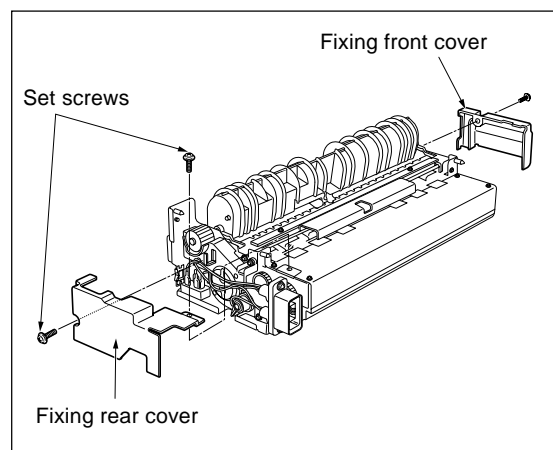
Heater cords are color-coded as follows.

Color Positions Lamp	JAPAN		U.S.A.		EUROPE OTHERS	
	Front	Rear	Front	Rear	Front	Rear
Main	White	White	Red	Red	Blue	Blue
Sub	White	Black	Red	Black	Blue	Black

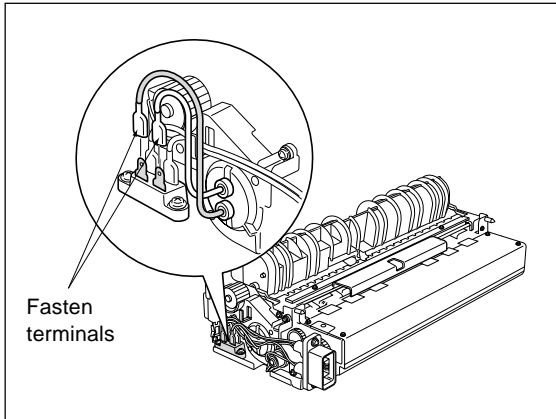
Caution 4: When installing the faston terminal on the drive gear side, be sure that the installation position is correct.

a. Procedure

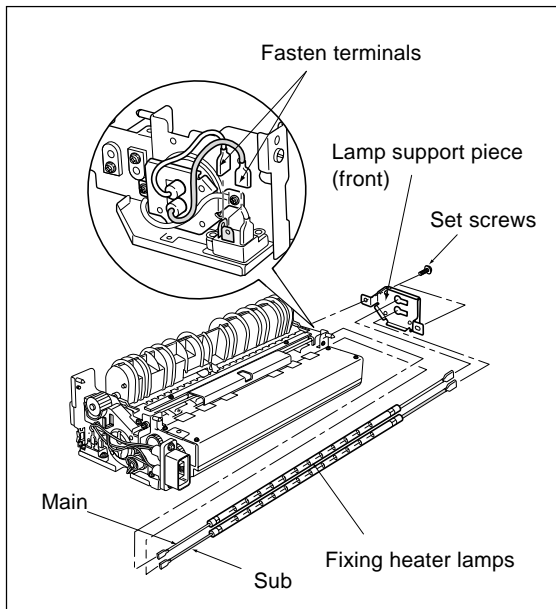
- (1) Remove the fixing unit from the main body.
- (2) Remove the set screws, and remove the two covers (fixing front cover, and fixing rear cover).



- (3) Detach the faston terminal at the rear of each lamp.



- (4) Remove the 2 set screws, and remove the lamp support piece (front).
 (5) Detach the faston terminal at the front of each lamp.
 (6) Keeping all cord faston terminal wiring straight, pull each fixing heater lamp toward you to remove.



- (7) Reinstall in the opposite sequence to removal.

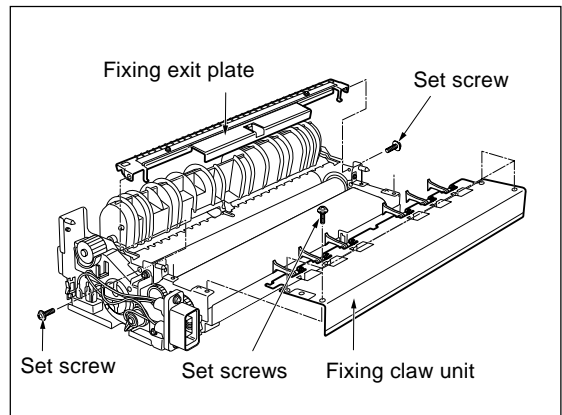
[3] Removing and Reinstalling the Fixing Claw

Caution 1: When installing the fixing claw, be sure that it is oriented correctly.

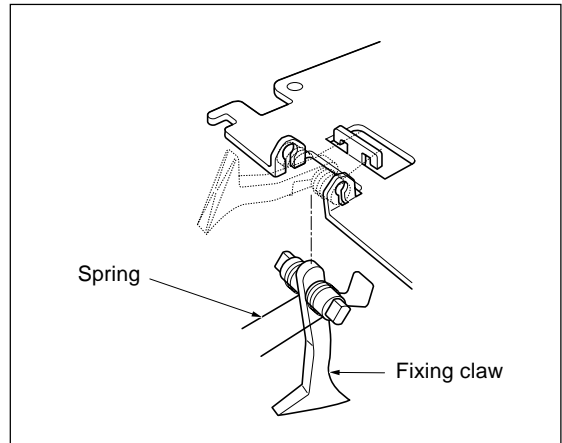
Caution 2: Be sure that the claw is securely attached to the claw spring.

a. Procedure

- (1) Remove the fixing unit from the main body.
 (2) Remove the 2 set screws, and remove the fixing exit plate.
 (3) Remove the 4 set screws, and remove the fixing claw unit.



- (4) Unhook the spring, and remove the fixing claw.



⚠ Caution: The number of fixing claws installed differs according to the particular model.

7020/25/30/35 : 6 claws

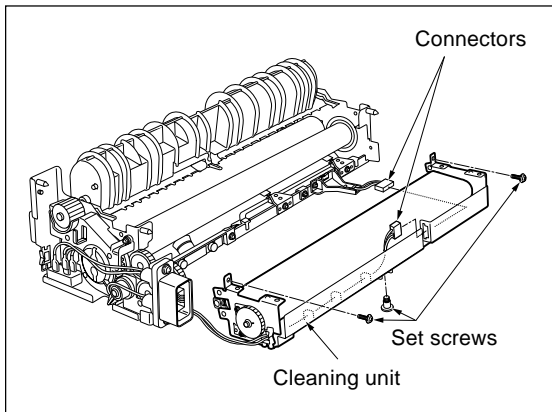
7022/7130/7135 : 4 claws

- (5) Reinstall in the opposite sequence to removal.

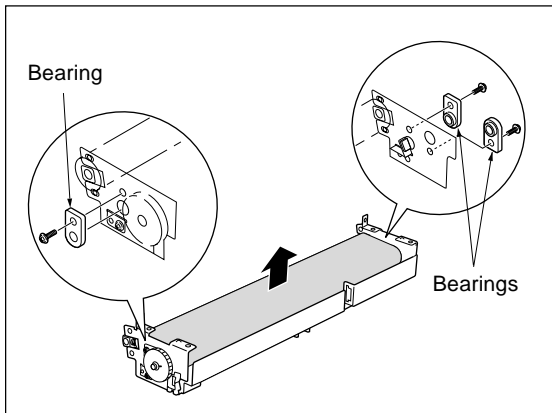
[4] Replacing the Fixing Web/Fixing Cleaning Roller

a. Procedure

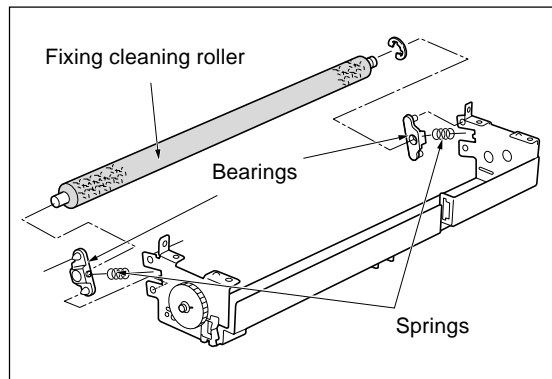
- (1) Remove the fixing unit from the main body.
- (2) Remove the fixing claw unit.
- (3) Detach the connectors, remove the set screw at the bottom and the 2 set screws (Note 1) on the cleaning unit, and then remove the cleaning unit by pulling it out from the fixing unit.



- (4) Remove the 3 set screws and remove the 3 fixing-web bearings. Remove the web together with the entire shaft.



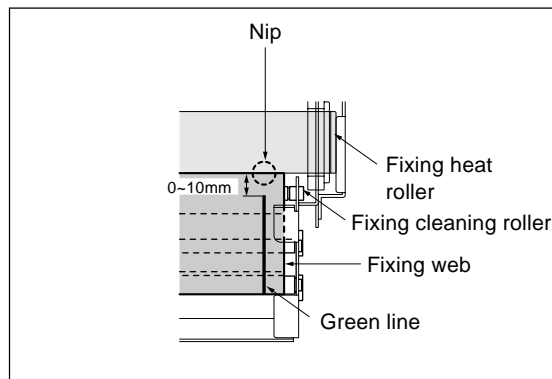
- (5) Detach the springs from the bearings for the fixing cleaning roller, and remove the E-ring from the shaft. Move the shaft and take off the bearings. You can then remove the fixing cleaning roller.



- (6) Reinstall in the opposite sequence to removal.

Note 1: Tighten the setscrews of the cleaning unit while pressing down on the cleaning unit.

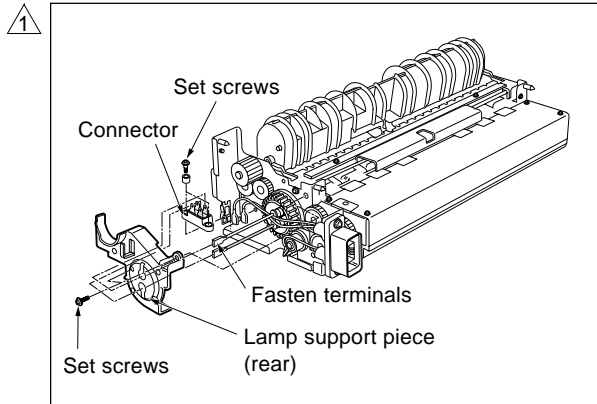
Note 2: After replacing the fixing web, wind it up until the end with the green line is within 0~10 mm of the nip of the fixing heat roller and the fixing cleaning roller.



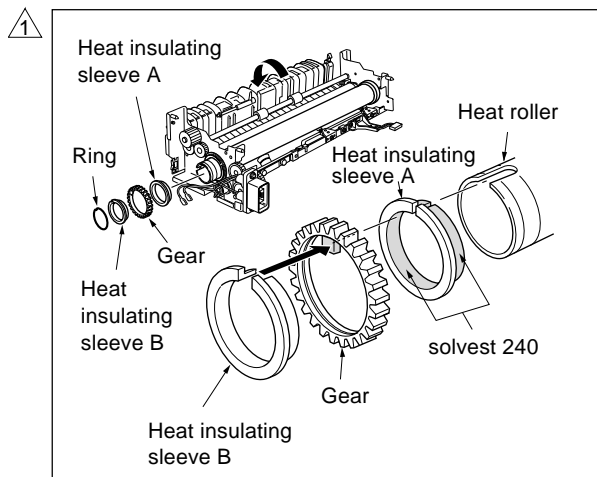
[5] Removing and Reinstalling the Fixing Heat Roller/Fixing Pressure Roller

a. Procedure

- (1) Remove the fixing unit from the main body.
- (2) Remove the fixing claw unit.
- (3) Remove the fixing cleaning unit.
- (4) Remove the two fixing heater lamps
- (5) Remove the 2 set screws and 2 collars for the connector that was connected to the faston terminal. Remove the connector.
- (6) Remove the 2 set screws, and remove the lamp support piece (rear).

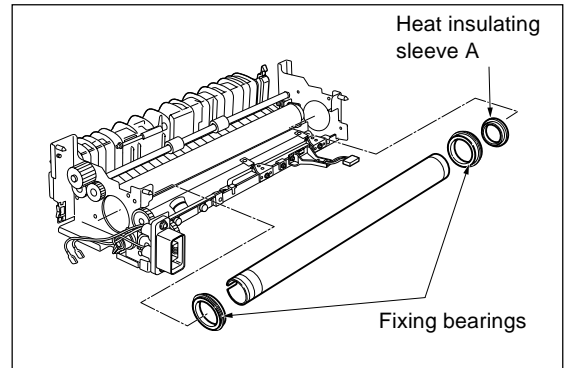


- (7) Open the fixing guide to release the pressure.
- (8) Remove the ring at the rear of the heat roller, and then remove the gear and heat insulating sleeve A, B.

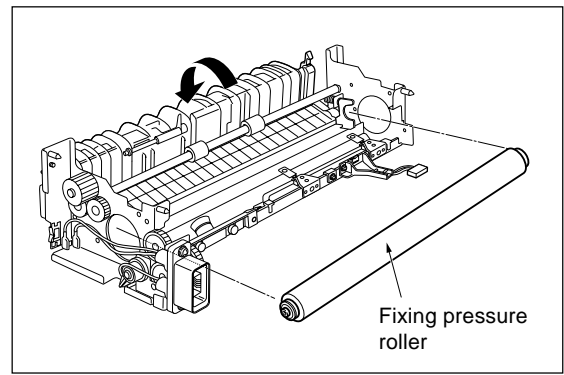


- (9) Remove another ring, then remove the heat insulating sleeve A (the sleeve toward the front). Then remove the heat roller.

- (10) Remove the 2 fixing bearings (one at the front, one at the rear) from the unit.



- (11) Remove the pressure roller.



- (12) Reinstall in the opposite sequence to removal.

Caution: Be sure that heat insulating sleeves A and B are oriented and positioned correctly.

- ⚠ When replacing the heating insulating sleeve/A, apply solvest 240 to the inside and outside surfaces of the heat insulation sleeve/A and then install it.

[6] Removing and Reinstalling the Fixing Temperature Sensors

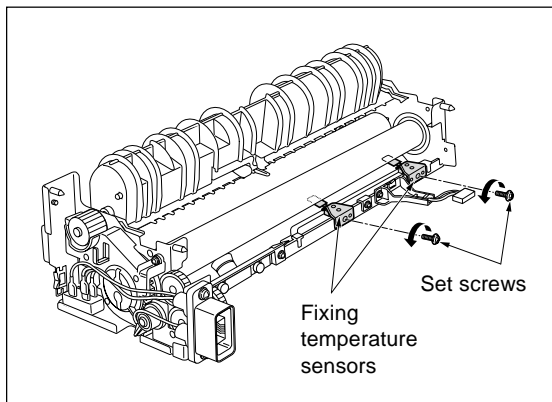
⚠ Caution: After installing the fixing temperature sensors:

Make sure that the wire bundles are not in contact with the fixing heat roller.

Make sure that the sensors themselves (the sensor areas) are in contact with the fixing heat roller.

a. Procedure

- (1) Remove the fixing unit from the main body.
- (2) Remove the fixing claw unit.
- (3) Remove the fixing cleaning unit.
- (4) Remove the 2 set screws, and remove the fixing temperature sensors.



- (5) Reinstall in the opposite sequence to removal.

Caution: When installing the sensors, attach the longer wire bundle to the center of the unit. Make sure that the sensors are in contact with the heat roller.

⚠ [7] Removing and Reinstalling the Fuse Mounting Plate Assembly

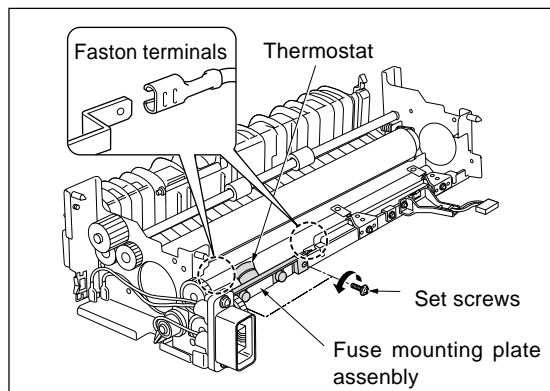
⚠ Caution:	This is an important safety part. (P/N:SP00-0110) Be sure to observe the following cautions and steps when removing or reinstalling.
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⚠ Caution: After installing the thermostat:
Make sure that the wire bundle is not in contact with the fixing heat roller.

Make sure that the thermostat itself is in contact with the fixing heat roller.

a. Procedure

- (1) Remove the fixing unit from the main body.
- (2) Remove the fixing front and rear cover.
- (3) Remove the fixing exit plate.
- (4) Remove the fixing claw unit.
- (5) Remove the fixing cleaning unit.
- (6) Remove the heat roller.
- (7) Detach the thermostat 2 Faston terminals.
- (8) Remove the 2 set screws, and remove the Fuse mounting plate assembly.



- (9) Reinstall in the opposite sequence to removal.

Caution: When installing the Fuse mounting plate assembly, install so that the base plate fits between the unit's sheet metal.

Make sure that the thermostat is in contact with the heat roller.

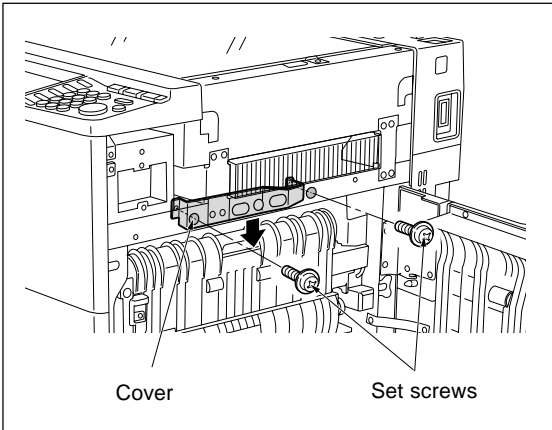
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ADU/PAPER EXIT SECTION

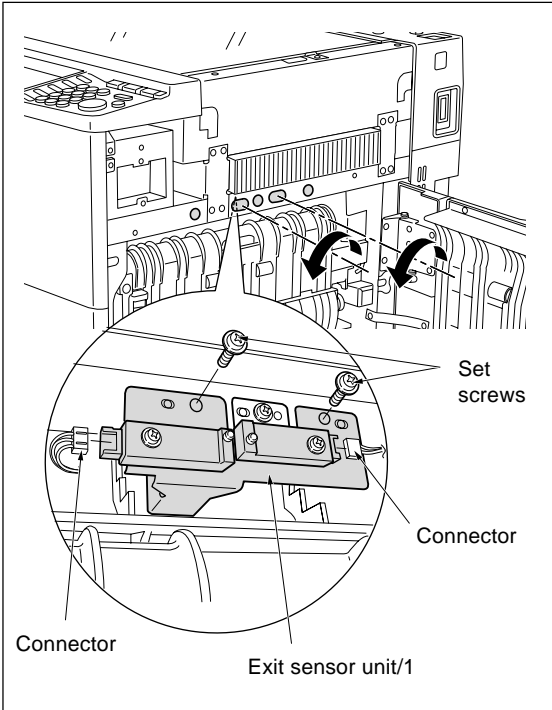
⚠ [1] Removing and Reinstalling the Exit Sensor Unit (7020/25/30/35 only)

a. Procedure

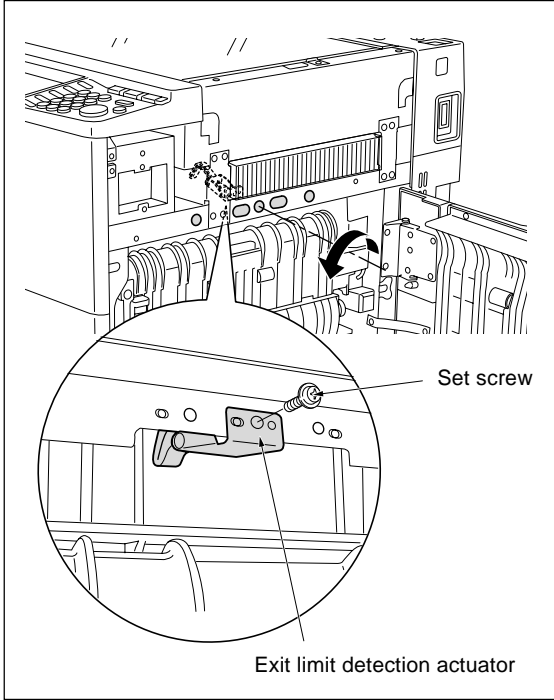
- (1) Remove the read right cover.
- (2) Remove the 2 set screws, and remove the right side cover (upper).
- (3) Remove the 2 set screws, and remove the cover.



- (4) Remove the 2 set screws (by inserting the screwdriver through the holes in the sheet metal). Detach the connector at the side of the sheet metal, and remove the exit sensor unit/1.



- ⚠ (5) Remove the set screw (again, by inserting the screwdriver through the hole), and remove the exit limit detection actuator. (Old type 7020/25/30/35 only)



- (6) Reinstall in the opposite sequence to removal.

Blank

4

ADJUSTMENT

Blank

HOW TO USE THE ADJUSTMENT SECTION

[1] Construction

This section details adjusting items and procedures. Use this section for making adjustments and as a checklist before implementing corrective measures in the field.

1. Does the power supply meet the requirements?
2. Is the power supply properly grounded?
3. Is the machine sharing its power source with another high current consumption machine that draws large currents intermittently? (e.g. an elevator, air conditioner, or other source of electrical consumption)
4. Is the installation environment suitable?
 - a. The machine must be installed in a well-ventilated place free from high temperature, high humidity and direct sunlight.
 - b. The machine must be installed on a level floor.
5. Does the cause of a defective image lie in the original itself?
6. Is the density adjusting control at the proper position?
7. Are the original glass and RADF platen guide clean?
8. Is the correct paper being used for the copy?
9. Are the copying materials and parts replaced when they reach the end of their usable life? (developer, drum, cleaning blade, etc.)

- ⚠ 10. Is there toner in the toner bottle?

The following items should also be observed when repairing the machine.

1. Only one side of the AC power line is disconnected when the main power of this machine is turned off. Always unplug the machine before beginning work. If absolutely necessary to work with the power on, exercise care to avoid being caught in the scanning rear of the exposure unit.
2. Special care should be taken when handling the fixing unit since it operates at extremely high temperatures.
3. The developing unit is surrounded by a strong magnetic field. Keep watches and metering equipment away from it.
4. Avoid scarring the drum with tools or similar objects.
5. Do not touch IC pins with your bare hands.

ADJUSTMENTS WHEN REPLACING PARTS

Adjustments (including checks) and settings are not only required when a defective copy image occurs, but also after replacing or reinstalling certain parts.

[How to use the tables]

The following items are used in the tables throughout this section.

1. Mode

Indicates the adjustment mode.

["25"] : 25 mode

["36"] : 36 mode

["47"] : 47 mode

2. Codes

Indicates the applicable code and/or Copy Quantity Setting button for each mode.

3. Conditions

New: Indicates adjustment (including check) is required when replacing a new part.

Reset: Indicates adjustment (including check) is required when a part has been re-installed.

4. Symbols used in the tables

① ② : Indicates there is a priority sequence for adjustments (including checks) and settings.

○ (Empty circle) : Indicates adjustments (including checks) and settings that can be carried out independently.

LIST OF ADJUSTMENT ITEMS

3 List of adjustment items for 7020 series

	Adjustment setting items	PM counter reset	PM cycle set	L detection adjustment	Vertical magnification adjustment (printer, platen)	Vertical magnification adjustment (RADF)	Horizontal magnification adjustment (platen)	Restart timing adjustment (Mainbody and DB)	Restart timing adjustment (RADF)	Paper feed loop amount adjustment	Leading edge original erasure adjustment	Centering adjustment	Image read point adjustment	RADF scanning density adjustment	Drum unit related counter clearing	Fixing unit related counter clearing	E-RDH memory check
Part name	Mode	25	25	36	36	36	36	36	36	36	36	36	36	36	36	36	47
	Code	2-1	2-2	1	2-1	2-1	2-1	2-2	2-2	2-3	2-4	2-5	2-6	6-2	8-1	8-2	198
Drum	New	<input type="radio"/>													<input type="radio"/>		
Developer	New	<input type="radio"/>		<input type="radio"/> *2													
Fixing unit-related parts	New	<input type="radio"/>														<input type="radio"/>	
Writing unit	New/Re				①	②	③	④	⑤		⑥	⑦					
Parameter memory substrate	New		<input type="radio"/>	<input type="radio"/> *1	①	②	③	④	⑤	⑥	⑦	⑧	⑨	<input type="radio"/>			
Paper feeding-related rubber rollers	New				①	②		③									
RADF	New/Re				①	②			③	④	⑤	⑥		⑦			
RADF slit glass	New													<input type="radio"/>			
E-RDH memory	New/Re													<input type="radio"/>			<input type="radio"/>

- "New" means replace with a new part and "Re" means to reinstall the part.
- The circles will appear above a number when there is an adjustment priority.

*1: When the parameter memory board is replaced, remember to replaced the developer before conducting the L deection adjustment.

*2: After replacing the developer, be sure that you do not make any copies until you have first carried out L detection adjustment.

MODE CHANGE MENU

Each adjustment mode is selected by conducting special operations:

[1] Setting Method

The following modes can be selected on the screen without turning OFF/ON the power supply:

1. Normal mode
2. Adjustment mode (36 mode)
3. Memory setting mode (25 mode)
4. Key ope mode (Key operator mode)
5. I/O check mode (47 mode)
6. Exit

Step	Operation procedure
1	Turn on the main and sub power switches.
2	Keep pressing the * button until the message "Please enter service password." appears.
3	Input 9272 as the password and press the [Start] key. (The password is fixed and cannot be changed.)
4	[Mode Select Menu Screen] Press the key of the mode to be selected on the screen. To return to the Mode Change Menu Screen, keep pressing the * button until the screen appears.
5	When the adjustment ends, press [1. Normal Mode] key and the basic screen will appear.

CHECK OF COUNT VALUE WITH P FUNCTION

The P function enables to display of the following parameters by using the * button:

Total count

- Total count start date (Note 1)
- PM count/PM count limit (Note 2)
- PM count start date (Note 2)
- Fax send paper count (Note 3)
- Fax receive paper count (Note 3)
- Printer count (Note 3)
- Scanner count (Note 3)
- Drum count (Note 2)
- Developing count (Note 2)
- Fixing unit count (Note 2)

Note 1: Displayed only when address 22-4 of "1. Software switch setting" in the 25 mode is set to '1'.

Note 2: Displayed when the ! button on the P mode screen is pressed.

Note 3: Displayed when an option is installed.

⚠ [1] How to Use P Function

1. Turn on the SW1 (main power) and SW2(sub power) to display the basic screen.
2. Press the * button.
3. The P mode screen appears, and the total count value appears.
When an option is installed, the counter values for the FAX, printer and scanner also appear.
The counter that appears differs depending upon the installed option.
4. If you press the ! button on the P mode screen, service-related counters that indicate the PM count, and so on, appear.
5. To output the count value list, press the [PRINT] key.

Counter list		P.1	
		08/05/2000 20:17	
		29ED0001	
Machine Name:7020			
Service center Fax No.:			
Machine information			
DESTINATION	EU		
Total count	Start date	08/04/2000	TOTAL COUNT 9171
Serial number			
Main body	29ED0001	Option tray	
ADF	135L0002	Finisher	13200007
Printer		Fax control	13F00005
Scan Count			
	Item		TOTAL COUNT
	Scanner Count		-
Print Count			
	Item		TOTAL COUNT
	Total copy count		8281
	Print count		582
	Fax count		329
Comm Count			
	Item		TOTAL COUNT
	FAX Tx count		143
	Total pages sent		171
	FAX Rx count		76
	Total pages received		94
Count			
	Item		Setting
	PM COUNT/CYCLE setting	3070 / 100000	16/01/2000
	DRUM COUNT		8025
	DEVELOPMENT COUNT		8025
	Fixing unit counter		7486

6. Press the [OK] key or the stop/clear button to return to the basic screen.

25 MODE

<List of adjustment items for 25 mode>

Adjustment item menu		Remarks
1. Software SW		Refer to "List of software DIP SW".
2. PM COUNT/CYCLE	1. PM COUNT reset	
	2. PM CYCLE set	
3. Collecting data	1. Count data	Data Collection 1 (by each size) (RADF paper passage count)
		Data Collection 2 (JAM occurrence count by each point)
		Data Collection 3 (copy count by each mode)
		Data Collection 4 (SC occurrence count : F code)
	2. Date count data	
4. Parts counter	1. Count of parts (Fixed)	41 items (7020/25/30 is the 39th item)
	2. Count of parts (Named)	30 items
5. Password setting	1. Key operator password set	4 digits
	2. E.K.C. master key code set	8 digits
	3. Weekly timer master key set	4 digits
6. Service TEL No.		Telephone & Fax. No. of service center setting.
7. Serial number		Sets up the serial number display of the main body and each option, and the FAX destination.
8. ROM version		Indicates the version of the ROM used for overall control, image control, the operation panel control, optics control, the RADF, the finisher, FAX control, and printer.
9. KRDS setting	1. Calling time set 2. Host password set 3. KRDS TEL No. Setting 4. KRDS software SW set 5. KRDS Setup calling	
10. ISW		Rewrites the contents of the flash ROM of each board including boards used in options except for a printer.
11. Root counter		Displays the root counter (total counter).
12. Setting date		Sets the starting date of the total counter.
13. Counter clear (Note) (Other than 7020/25/30/35)	1. Drum unit related counter	Clears the drum counter and the drum drive counter
	2. Fixing unit related counter	Clear fixing web counter



Note: "13. Counter clear mode" is the same as "8. Counter clear" of the 36 mode.

[1] Setting Method

A special operating mode called "25 Mode" has been provided with this machine. This mode enables rewriting of the non-volatile storage and specify other various settings.

1. Turn OFF the SW2 (sub power) when the SW1 (main power) remains ON.
2. Turn the SW2 (sub power) ON while pressing 2 and 5 of the copy quantity setting buttons. The 25 mode menu screen will appear.

In the 25 mode normal copy operation becomes unavailable.

25 MODE MENU SCREEN

Memory setting mode	
Select one of following items	
1. Software SW	7. Serial number
2. PM COUNT/CYCLE	8. ROM version
3. Collecting data	9. KRDS setting
4. Parts counter	10. ISW
5. Password setting	11. Root counter
6. Service TEL No.	12. Setting date

3. Press the desired item key on the LCD screen. Each setting screen will appear.

Caution: In the case of a machine other than the 7020/25/30/35, the [▼] key is displayed at bottom left of the above screen. By pressing the [▼] key, the [13. Counter Clear] key appears.
4. Enter data in each selected screen.
5. Press the [Return] key to check the data that has been entered.
6. Turn the SW2 (sub power) off to cancel the 25 mode.
7. New data will be effective after restarting.

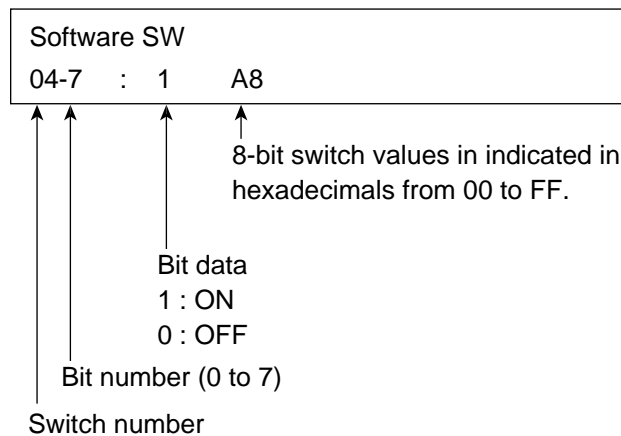
[2] Setting Software DIP SW

1. Setting method

This setting specifies the software DIP switch on the software SW setting screen. (*1)

Caution 1: The bit of the DIP switch is written in the non-volatile memory every time it is changed.

Caution 2: The numbers shown in the message area are defined as follows:



2. Setting procedures


Step	Operation procedure
1	Enter the 25 Mode.
2	[25 mode menu screen] Press the [1. Software SW] key.
3	[Software SW setting screen] Select DIP switch number. Use the left [▲], [▼] key.
4	Select bit number of the DIP switch. Use the center [▲], [▼] key.
5	Select ON (=1) or OFF (=0) of the DIP switch. Use [ON] or [OFF] key. [ON] : Set bit. [OFF] : Clear bit.
6	Press the [Return] key to return to the 25 mode menu screen.





For each switch function, refer to "List of Software DIP switches".

List of software DIP switches

DIP SW No.	BIT	Functions	0	1	Default values				
					Japan	Inch	Metric		
DIP SW1	0	Operation when key counter is removed (when using as a copier)	Ignore	Instantaneous stop Jam	0	1	1		
	1	A3 (11 x 17) counting method	Count as 1	Count as 2	0	0	0		
	2	—	—	—	0	0	0		
	3	Selection of maximum number of copies that can be stapled by FS-107.	*1			0	0	0	
	4					0	0	0	
	5	—	—	—	0	0	0		
	6	—	—	—	0	0	0		
7	FS107 limit on number of stapled sets *2	None	Temporary stop after 25 sets of copy	0	0	0			
DIP SW2	0	Toner replenish stop timing *3	Decide with DIP SW 3-2	Stop after paper exited	0	0	0		
	1	—	—	—	0	0	0		
	2	—	—	—	1	1	1		
	3	—	—	—	1	1	1		
	4	—	—	—	0	0	0		
	5	1-shot message display at automatic staple mode clearing *4	Yes	No	1	1	1		
	6	—	—	—	1	1	1		
7	Prohibition of non-image area erases, repeat (auto) and original position correction	No	Yes	0	0	0			
DIP SW3	0	Use F4 size for Latin America destination	No	Yes	0	0	0		
	1	F34/F35/F36 latch *5	No	Yes	0	0	0		
	2	Toner replenish stop timing 2 *3	When copying ends	Interval between copy set	0	0	0		
	3	Return to EKC screen after copying reservation *6	No	Yes	0	0	0		
	4	—	—	—	0	0	0		
	5	By-pass feed non-standard size selection *7	Size detection effective	Non-standard size handling	0	0	0		
	6	—	—	—	0	0	0		
DIP SW4	0	Toner level detection ("Supply toner" indication)	*3			0	0	0	
	1	—				0	0	0	
	2	Number of copies allowed before machine stops after "Supply Toner" indication.	*3				1	1	1
	3						1	1	1
	4	Non-display of advance/delete buttons for job list *8	Display	Do not display	0	0	0		
	5	Job stop or nonstop at no toner *3	Does not stop	Stops	1	1	1		
	6	Impossibility of coping reservation to coin vender	Can reserve copying	Cannot reverse copying	0	0	0		
7	—	—	—	0	0	0			
DIP SW5	0	(Destination switchover)	*9			0	1	0	
	1	—				0	0	1	
	2	—	—	—	0	0	0		
	3	—	—	—	0	0	0		
	4	Detecting method of 8.5 x 11 size on RADF	The size is detects as 8.5 x 11 even if the original reaches to RADF's PS307 (original detect PS 2).	If original reaches to RADF's PS307 (original detect PS 2), the size is detected as 8.5 x 14.	0	0	0		
	5	Toner consumption reduction switch	*37				0	0	0
	6	—					0	0	0
7	—	—	—	0	0	0			
DIP SW6	0	Drum initial rotation first thing in the morning	*40		0	0	0		
	1	K size selection switch for Taiwan destination	Metric sizes	K sizes available	0	0	0		
	2	K size selection switch for Taiwan destination (By pass feed)	Metric sizes	K sizes available	0	0	0		
	3	—	—	—	0	0	0		
	4	Polygon motor stop/low-speed rotation start timing	*10				0	0	0
	5						0	0	0
	6	Polygon motor stop/low-speed rotation	*11				0	0	0
7	setting	0					0	0	

DIP SW No.	BIT	Functions	0	1	Default values		
					Japan	Inch	Metric
3 DIP SW7	0	Copy paper priority in image area *12	Area erasure outside original	Images on whole page in the platen mode only	1	1	1
	1	Automatic restart after feeding paper (Other than Inch) *13	Does not restart	Restarts	0	0	0
	2	8.5x11APS (Japan, Metric), A4APS (Inch) *14	Yes	No	1	0	0
	3	Nonstandard-size notification for platen APS A4 (Japan, Metric) / 8.5x11 (Inch) *15	No	Yes	0	0	0
	4	Nonstandard-size notification for platen APS B6 (Japan) / A5 (Metric) / 5.5 x 8.5 (Inch) *15	No	Yes	0	0	0
	5	Password request for 25/36/47 mode *17	No	Yes	0	0	0
	6	Selection of A series size (Metric only)	No	Yes	0	0	0
3 7		–	–	–	1	0	0
DIP SW8	0	Selection of automatic erasure outside original (7020/25/30)*16	Rectangular erasure	Handling of slanted original	1	0	0
	1	Changing of key operator fixed magnification setting	Permit	Prohibit	1	0	0
	2	Disabling copying when PM count reached *18	Permit	Prohibit	0	0	0
	3	Adjusting of LCD contrast to help screen	No	Yes	0	0	0
	4	Priority tray when APS is released	*19		0	0	0
	5				0	0	0
	6				0	0	0
7	Data collection (25 Mode) *20	No	Yes	0	0	0	
DIP SW9	0	Selection of copy quantity limit	*21		0	0	0
	1				0	0	0
	2				0	0	0
	3				0	0	0
	4	–	–	–	0	0	0
	5	–	–	–	0	0	0
	6	P81 messages (Messages displayed on machines installed in convenience stores)	*22		0	0	0
7				0	0	0	
DIP SW10	0	Summer time setting for weekly timer	*23		0	0	0
	1				1	1	1
	2				1	1	1
	3				0	0	0
	4	Selection of magnification mode when APS function is cancelled.	Display auto	Display 1.00	0	0	0
	5	–	–	–	0	0	0
	6	Icon display in third line of LCD message display	No	Yes (Toner low, PM, etc.)	1	0	0
7	Displaying of JAM code	No	Yes	0	0	0	
3 DIP SW11	0	Message that appears when the RADF is open	Yes	No	0	0	0
	1	–	–	–	0	0	0
	2	–	–	–	0	0	0
	3	–	–	–	0	0	0
	4	–	–	–	0	0	0
	5	–	–	–	0	0	0
	6	Tray icon display in LCD size selection area	No	Yes	1	0	0
7	–	–	–	0	0	0	
DIP SW12	0	–	–	–	0	0	0
	1	–	–	–	0	0	0
	2	–	–	–	0	0	0
	3	Setting of PM count at which copying is inhibited	*18		0	0	0
	4				0	0	0
	5				0	0	0
	6	KRDS connection recognition	Not recognize	Recognize	0	0	0
7	F/E screen switchover (except for F34, F35 and F36) *24	No	Yes	0	0	0	

 **Note:** Parenthesized bit numbers among the initial values apply to the 7022/7130.

DIP SW No.	BIT	Functions	0	1	Default values			
					Japan	Inch	Metric	
DIP SW13	0	–	–	–	0	0	0	
	1	–	–	–	0	0	0	
	2	–	–	–	0	0	0	
	3	Selection of filter for jagged edges on slanting lines	ON	OFF	0	0	0	
	4	–	–	–	0	0	0	
	5	–	–	–	0	0	0	
		6	Threshold for automatic erasure of outside original (7020/25/30)	*25 Note 1: Initial value for a machine other than the 7020/25/30 in the case where () is appended to the bit No. of the initial value		0 (1)	0 (1)	0 (1)
7	0	0				0		
DIP SW14	0	Operation when stapling is not possible	*26		0	1	0	
	1	(Other than B6R, post card nonstandard)			0	1	0	
	2	–	–	–	0	1	0	
	3	–	–	–	0	1	0	
	4	Operation when one position stapling is not available	*27		0	0	0	
	5				0	0	0	
	6	Operation when two position stapling is not available	*28		0	0	0	
7	0				0	0		
DIP SW15	0	–	–	–	0	0	0	
	1	–	–	–	0	0	0	
	2	–	–	–	0	0	0	
	3	–	–	–	0	0	0	
	4	–	–	–	0	0	0	
	5	–	–	–	0	0	0	
		6	Full stack stop when FNS not installed	No	Machine pauses after 100 sheets have been exited.	0	0	0
7	Occurrence of overload stop when FNS or IT is not connected	Decide with DIP SW15-6	Machine pauses after 400 sheets have been exited.	0	0	0		
DIP SW16		0	*30 Note 2: Initial value for a machine other than the 7035 in the case where () is appended to the bit No. of the initial value		0	0	0	
	1	Fixing temperature at low power mode			1	1(0)	1(0)	
	2	Operation of PTC * In the case of the 7022/7130, the internal heater is treated as an option.	Always ON	PTC is OFF if OFF mode, if SW2 (sub power) is OFF, or if system is OFF due to WT or auto shutoff.	0 Note 3 (1)	0 (1)	0 (1)	
	3	Copy inhibit flag prior to L detection	Copy enable	Copy inhibit	0	0	0	
		4	Indication to prepare toner bottle (7020/25/30/35)	Not indicated	Indicated	0	0	0
	5	Operation when temperature inside machine rises (7020/25/30)	Stop job	Stop job, and turn OFF fixing heater	0	0	0	
	6	MPC correction control	*31		0	0	0	
7				0	0	0		
DIP SW17	0	F4 size setting	*32		0	0	0	
	1				0	0	0	
	2				0	0	0	
	3	Host printing cannot be performed when a key counter is installed.	Printing takes place.	Printer abort processing	0	0	0	
	4	–	–	–	0	0	0	
	5	Shift from by-pass feed in ATS mode is inhibited.	Shift inhibited.	Shift possible.	0	0	0	
	6	ITU (inner tray), vendor switchover	ITU selected.	Vendor selected.	0	0	0	
7	Separation claw operation OFF mode (for machines destined for China)	Normal	OFF	0	0	0		
DIP SW18	0	Unit isolation (1)	*33		0	0	0	
	1		Tray 1 (main body upper) can be used	Tray 1 (main body upper) is isolated	0	0	0	
	2		Tray 2 (main body lower) can be used	Tray 2 (main body lower) is isolated	0	0	0	
	3		–	–	0	0	0	
	4		–	–	0	0	0	
	5		Tray 3 (DB upper) can be used	Tray 3 (DB upper) is isolated	0	0	0	
	6		Tray 4 (DB lower) can be used	Tray 4 (DB lower) is isolated	0	0	0	
	7		–	–	0	0	0	
	DB can be used	DB is isolated	0	0	0			

DIP SW No.	BIT	Functions	0	1	Default values		
					Japan	Inch	Metric
DIP SW19	0	Unit isolation (2) *33	Printer board can be used	Printer board is isolated	0	0	0
	1		Fax board can be used	Fax board is isolated	0	0	0
	2		–	–	0	0	0
	3		–	–	0	0	0
	4		–	–	0	0	0
	5		Scanner can be used	Scanner is isolated	0	0	0
	6		–	–	0	0	0
	7		RADF can be used	RADF is isolated	0	0	0
DIP SW20	0	Unit isolation (3) *33	–	–	0	0	0
	1		–	–	0	0	0
	2		–	–	0	0	0
	3		–	–	0	0	0
	4		FNS can be used	FNS offset mode cannot be used	0	0	0
	5		–	–	0	0	0
	6		–	–	0	0	0
	7		–	–	0	0	0
DIP SW21	0	Platen size recognition selector switch 1 for Latin America (Inch only)	8.5 x 11	A4	0	0	0
	1	Platen size recognition selector switch 2 for Latin America (Inch only)	8.5 x 11R	A4R	0	0	0
	2	Platen size recognition selector switch 3 for Latin America (Inch only)	8.5 x 14	F4	0	0	0
	3	Notice of nonstandard small platen size (Inch only) *15	Notice of noticed size	Notice as nonstandard size	0	0	0
	4	Job suspension/end at pulling out key counter	If DIP SW1-0:0: Stop paper feed and terminate If DIP SW1-0:1 Immediate-stop jam	If DIP SW1-0:0: Stop paper feed and printing is interrupted If DIP SW1-0:1 Immediate-stop jam	0	0	0
	5	Notice of small size of platen mode (8.5x11/A4 or smaller) *15	Notice size detected by APS.	Notice size as A4 (Japan, Metric) or 8.5x11 (Inch)	0	0	0
	6	Total-counter/key-counter increment operation	Normal operation (Both the total counter and the key counter count up regardless of the mode.)	During a copy mode, both the total counter and the key counter count up. During a printer/Fax mode, only the total counter is counted up.	0	0	0
	7	When using an EKC, the password screen appears at the end of each job. (Other than 7020/25/30/35)	No	Yes	0	0	0
DIP SW22	0	Turns ON the sub power switch when the main power switch is turned ON. *34	No	Yes (WUT increase)	0	0	0
	1	Nonstandard size becomes effective at automatic platen start *35	No	Yes (only by-pass tray)	0	0	0
	2	FM4 (internal cooling fan) connection switch (7020/25/30/35)	Connecting	Disconnecting	0	0	0
	3	–	–	–	0	0	0
	4	Indication of total count start day on P mode screen	Not indicated	Indicated	0	0	0
	5	Platen APS detected size enlargement (7020/25/30/35)	Size detection enlargement	Detected size at commencement of mass-production	0	0	0
	6	Paper magnification correction according to paper size	Invalid	Valid	0	0	0
	7	Exit limit detect sensor (PS19) (7020/25/30/35)	Exist	Not exist	1	1	1

DIP SW No.	BIT	Functions	0	1	Default values			
					Japan	Inch	Metric	
DIP SW23	0	Automatic tray changeover when FNS tray is full	No automatic changeover to Tray 1	Automatic changeover to Tray 1	1	1	1	
	1		No automatic changeover to Tray 2	Automatic changeover to Tray 2	1	1	1	
	2		No automatic changeover to Tray 3	Automatic changeover to Tray 3	1	1	1	
	3		No automatic changeover to Tray 4	Automatic changeover to Tray 4	1	1	1	
	4	100 sheets are exited when FNS is not stapled, and tray is detected full	No	Yes	0	0	0	
	5	100 sheets are exited when FNS is stapled, and tray is detected full	No	Yes	1	1	1	
	6	—	—	—	0	0	0	
	7	Stopping of the machine when the fixing web counter	Not stop	Stops	0	0	0	
DIP SW24	③	0	Toner density selection of developer (7020/25/30/35)	No	Set. (Note, however that the bit is automatically made 0 after L detection adjustment has ended normally.)	0	0	0
		1		*41		0	0	0
		2	Automatic change of printer paper size	*29		0	0	0
	3				0	0	0	
	4	Sets tray at commencement of search when APS is used.	*38		0	1	0	
	5				0	0	1	
	6	Changeover of original quantity display during operation	Job No. indication	Original quantity indication	0	0	0	
	7	Job start and changeover without print process stop *36	Without process stop	Process stop	0	0	0	
DIP SW25	0	Automatic changeover of tray when the IT101 tray is full	No automatic changeover to Tray 1	Automatic changeover to Tray 1	0	0	0	
	1		No automatic changeover to Tray 2	Automatic changeover to Tray 2	0	0	0	
	2	—	—	—	0	0	0	
	3	—	—	—	0	0	0	
	4	—	—	—	0	0	0	
	5	For postcard-to-postcard copying, rotation takes place even when APS/AMS is not used	No rotation	Rotation takes place.	0	0	0	
	6	180 degree rotation takes place even when there are no staples	No rotation	Rotation takes place.	0	0	0	
	7	FAX transmission 8K/16K for machines destined for Taiwan	Image is transmitted in reduced form.	Image is transmitted with both edges erased.	0	0	0	
DIP SW26	0	Printer density selection (Patch detection control threshold value change)	*39		0	0	0	
	1				0	0	0	
	2				1	1	1	
	③	3	Image position reference use for by-pass feed copying on non-standard size paper	Center	Recording paper side	0	0	0
		4	Printer EKC mismatch print operation	Permit	Prohibit	0	0	0
		5	Top & bottom erase mode of the application functions (7020/25/30/35)	No	Yes	0	0	0
		6	The timer for canceling a job that was interrupted due to removal of the key counter is valid	Invalid	Valid	0	0	0
		7	"No IP scanner function" setting	Use	Do not use	0	0	0
DIP SW27	0	Automatic copying reservation function (Other than 7020/25/30/35)	*42		0	0	0	
	1	—	—	—	0	0	0	
	2	—	—	—	0	0	0	
	3	—	—	—	0	0	0	
	4	—	—	—	0	0	0	
	5	Density setting when the printer toner save function is selected (Other than 7020/25/30/35)	*43		0	0	0	
	6				0	0	0	
	7				0	0	0	

*1 : FS107 stapling upper limit

Mode	1-3	1-4
50 sheets	0	0
45 sheets	1	0
40 sheets	0	1
35 sheets	1	1

The following dipswitch settings are related:

- DIP SW 2 – 5
1-shot message display at automatic staple mode clearing.

*2 : FS107 limit on number of stapled sets

If this bit is set to "1", then if the user specifies more than 25 stapled sets the copier automatically stops after reaching the 25th set, and displays a message instructing the user to remove the paper and press the START button.

*3 : Toner-replenish stop timing

When the TLD (toner level detector) detects that the toner-out condition has persisted for a fixed length of time, the copier waits an additional number of copies (as specified by DIP SW4 – 0, 4 – 1) and then displays a message instructing the user to load new toner. (The toner-low condition)

- Toner-level detect (message requesting new toner)

Mode	4-0	4-1
After 0 effective copies	0	0
After 100 effective copies	1	0
After 200 effective copies	0	1
After 500 effective copies	1	1

Following the message display, the copier allows printing of an additional number of copies as set by DIP SW4 – 2, 4 – 3, and will then disable copying.

- Count from appearance of toner supply message until copying is inhibited

Mode	4-2	4-3
After almost 100 copies	0	0
After almost 400 copies	1	0
After almost 700 copies	0	1
After almost 1000 copies	1	1

However, that the copier will stop only if DIP SW4 – 5 ("Job stop or nonstop at no toner ") is set to "1".

- The toner-low/toner-out condition is cleared by

insertion of a new toner bottle (toner-bottle detect sensor OFF/ON).

- The toner-out stop conditions vary according to the settings of DIP SW3 – 2 and DIP SW2 – 0.

*4 : 1-shot message display at automatic staple mode clearing

If 1-shot display is enabled: If the copy limit is exceed during staple-mode operation, a message indicating this appears on the display, and copying continues in sort mode.

Note that this setting is related to the "1-SHOT DISPLAY TIME" setting available under key-operator mode. For information about memory switches, refer to the Instruction Manual.

*5 : F34/F35/F36 latch

In the event of a fixing-related error, the setting changes to "1" so that power OFF/ON will not clear the error condition. After correcting (repairing) the problem, reset this to "0" to re-enable copying.

*6 : Return to EKC screen after copying reservation

If EKC setup is enabled, then if this bit is set to "1" (return to screen) the copier will immediately display the EKC password-request screen following exit of the final sheet for the reserved jobs. If copying is not reserved, the copier will wait 1 minute following job completion before displaying the EKC password-request screen.

*7 : Bypass feed nonstandard size selection

This setting determines whether the system detects the size of the paper in the bypass tray. If the setting is "1" (handle as nonstandard size), the size is not detected and copying is based on the maximum paper size.

*8 : Non-display of advance/delete buttons for job list

Under default conditions, the job list screen allows for deletion or priority changing of jobs that have been stored in E-RDH memory.

If this bit is set to "1"(non-display), however, the advance and delete buttons will not appear on the display so that it will not be possible to delete or reorder the reserved jobs.

***9 : Destination switch**

It is recommended that the destination is amended with the "Destination" setting on the 25 mode serial number setting.

Mode	5-0	5-1
Japan	0	0
Inch	1	0
Metric	0	1
Taiwan	1	1

 : Inch

 : Metric

△ *10 : Polygon motor stop/low-speed rotation start timing

In the polygon motor stop/low-speed rotation setting marked *11, when low-speed or stop is specified, the polygon motor operation will shift to low-speed or stop mode after the time specified in DIP SW has passed.

The start of the passed time shall be from the timings listed below.

- When the warmup is completed
- When final operations for the operation keys (excluding copy start key), ADF, tray, and so forth during idling state are completed
- When copy or print jobs are completed

Mode	6-4	6-5
15 seconds (Note)	0	0
30 seconds	1	0
60 seconds	0	1
120 seconds	1	1

Note: The default setting for 7135 is 60 seconds.

△ *11 : Polygon motor stop/low-speed rotation setting

To lower the rotating sound of polygon motor during idling state, the polygon motor rotation can be switched into low-speed or stop mode.

The switch timing is set in the polygon motor stop/low-speed rotation start timing marked *10.

And, when the polygon motor is in low-speed or stop mode, fast copy out time may be increased.

Mode	6-6	6-7
No stop/low-speed rotation (Note)	0	0
Low-speed rotation	1	0
Stopped	0	1

Note: The default setting for 7135 is low-speed rotation.

***12 : Copy paper size priority in image area**

This setting determines how the copier handles platen copying when the original size differs from the copy paper size when the AMS setting is cleared. If this bit is set to "1" (whole-page image in platen mode only), then the copier will not erase the area outside of the original (so that area outside of the APS-detected size is also copied).

If this bit is set to "0", then the copier does erase the area outside of the original.

Note that in RADF copying, the copier will always erase the area outside of the original regardless of this setting.

Related settings are DIP SW8 – 0 (Selection of automatic erasure outside original), memory switch 4 "Non-original area erase function" of Key-operator mode. For information about memory switches, refer to the Instruction Manual.

***13 : Automatic restart after paper supplied
(Excluding the inch series)**

This setting determines how copying is restarted if the tray becomes empty while copying is in progress. Under the default setting, the user (after adding paper and setting the tray back in place) must press the START button to resume copying. If this bit is set to "1", however, copying restarts automatically when the tray is set back in place.

***14 : 8.5x11 APS (Japan, Metric), A4 APS (Inch)**

If this bit is to "1" (No), the copier will forcibly copy as A4 in Japan/Metric if it detects an original size of 8.5x11, and will forcibly copy as 8.5x11 in Inch. if it detects an original size of A4). Under the default setting, APS operates for both A4 and 8.5x11.

***15 : Settings related to nonstandard original sizes**

- SW21– 5 Copy setting of platen small size (A4/8.5 x 11 or smaller)

Selects whether to copy on the APS detected size when APS detected the original as A4 or smaller, or to ignore the APS detected size and copy on A4 (Japan, Metric) or 8.5 x 11 (Inch).

- SW21– 3 (Inch only) Copy setting of platen small size (8.5 x 11 or smaller)

Selects whether to copy on the APS detected size when APS detected the original as 8.5 x 11 or smaller, or to ignore the APS detected size and copy as nonstandard size.

When both SW21– 5 and SW 21– 3 are set to "1", the setting of 21– 5 has priority over the 21– 3.

- SW7– 3 Nonstandard-size switch for platen APS (1)

Selects whether to copy on B6 (Japan), A5 (Metric) or 5.5 x 11 (Inch) when the APS detected the original as nonstandard-size, or to copy on the APS selected nonstandard size.

When both SW7– 4 and SW7– 3 are set to "1", the setting of 7– 4 has priority over the 7– 3.

- SW7– 4 Nonstandard-size switch of platen APS (2)

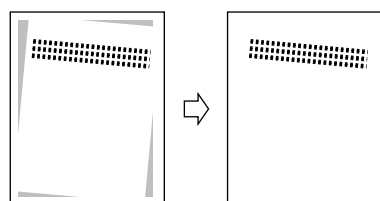
Selects whether to copy on A4 (Japan, Metric) or 8.5 x 11 (Inch) when the APS detected the original as nonstandard-size, or to copy on the APS selected nonstandard size.

***16** : DIP SW8 – 0 "Selection of automatic erasure outside original" (7020/25/30 only)

If this bit is set to "1" (Handling of slanted originals), the copier will automatically erase area outside of the original that have been placed a skew on the platen. Set using the key operator mode in the case of machines other than the 7020/25/30.

When this setting (bit) is "0" (rectangular original), the area outside the edges of the original is erased.

(Example)



BIT:0

BIT:1

***17** : Request password for 25, 36, 47 mode

If this bit is set to "1" (Yes), the copier will display a password-request screen before entering service mode. The password is "9272".

***18** : Disable of copying when PM count is reached

DIP SW12 – 3, 12 – 4, and 12 – 5 (Setting of PM count at which copying is disabled) sets the number of copies at which copying is disabled. Note that copying will be disabled only if DIP SW8 – 2 (Disable copying when PM count is reached) is set to "1".

Mode	12-3	12-4	12-5
1000 copies	0	0	0
2000 copies	1	0	0
3000 copies	0	1	0
4000 copies	1	1	0
5000 copies	0	0	1

***19** : Priority tray when APS is released

- This setting sets the tray selection used when APS is set OFF from key-operator mode.

Priority tray when APS is released

Mode	8-4	8-5	8-6
No priority	0	0	0
Main-body upper tray	1	0	0
Main-body lower tray	0	1	0
DB upper tray	1	1	0
DB lower tray	0	0	1

***20** : Data collection (25 mode)

If this bit is set to "1" (Yes), then all 25 mode collected data 1 to 4 can be checked. If the setting is "0", then only collected data 1 is available for checking.

***21** : Copy quantity limit

Mode	9-0	9-1	9-2	9-3
No limit	0	0	0	0
1 sheet	1	0	0	0
3 sheets	0	1	0	0
5 sheets	1	1	0	0
9 sheets	0	0	1	0
10 sheets	1	0	1	0
20 sheets	0	1	1	0
30 sheets	1	1	1	0
50 sheets	0	0	0	1
99 sheets	1	0	0	1

***22** : P81 messages (Messages displayed on machines installed in convenience stores and so on.)

Mode	9-6	9-7
Please insert key counter	0	0
Please insert copy card	1	0
Please insert coin	0	1

***23 : Summer time setting for WT (Weekly Timer)**

Mode	10-0	10-1	10-2	10-3
0 minute	0	0	0	0
30 minutes	1	1	0	0
60 minutes	0	1	1	0
90 minutes	1	0	0	1
120 minutes	0	0	1	1
150 minutes	1	1	1	1

***24 : F/E screen switchover (except for F34, F35, F36)**


If this bit is set to "1" (No), all cases except for fixing errors will simply show a message instructing a user to turn the SW2 (sub power) OFF and ON.

If set to "0", all errors will be indicated by error codes.

***25 : Threshold for automatic erasure of outside original**

Accurate detection of the outer boundary of the original may become difficult if the original is dark in density or if extraneous light (sunlight, room fluorescent light, etc.) has penetrated the copier. Setting the threshold to lower values facilitates detection for dark-density originals but increases the risk of incorrect detection due to extraneous light. Set using the key operator mode in the case of machines other than the 7020/25/30/35.

Mode	13-6	13-7
Dark-density originals	0	0
Normal original	1	0
External incorrect detection prevention	0	1
None	1	1

 : Initialization of machines other than the 7020/25/30/35

***26 : Operation if stapling is not possible**

Sizes other than Postcard, A5R, 5.5x8.5R, nonstandard

Mode	14-0	14-1
Auto cancel	0	0
Auto switching to 1-position stapling	1	0
Inhibit	0	1
Forced 2-position stapling mode operation	1	1

***27 : Operation when one position stapling is not available**

Mode	14-4	14-5
Auto cancel	0	0
Auto cancel	1	0
Inhibit	0	1
Forced 1-position stapling mode operation	1	1

***28 : Operation when two position stapling is not available**

Mode	14-6	14-7
Auto cancel	0	0
Auto cancel	1	0
Inhibit	0	1
Forced 2-position stapling mode operation	1	1

***29 : Printer paper size automatic conversion**

Mode	24-2	24-3
No conversion	0	0
Inch → Metric	1	0
Metric → Inch	0	1
Metric ↔ Inch	1	1

***30 : Fixing temperature at low power mode**

Mode	16-0	16-1
160°C (170°C) [150°C]	0	0
110°C (120°C)	1	0
85°C (65°C)	0	1
85°C	1	1

△ The number in () applies to the 7035/7135, and the number in [] applies to the 7122.

***31 : MPC correction control**

These switches determine whether MPC correction is carried out when sub power turns on.

MPC (maximum laser power correction) is designed to optimize copy density (mainly to prevent excess density), and is generally carried out every 20 copies.

In the copier is left off for a protracted period of time, toner may begin to lose its charge, resulting in excess density when copying restarts. To prevent this problem, the default setting causes the copier to automatically execute MPC when power turns ON (from OFF mode or from main power OFF) if the following two conditions hold: (1) the copier has been off for a prolonged period (at least 8 hours), and (2) the ambient humidity is 60% or higher.

If you set the switches to "1", "0", then the copier will execute MPC at power ON if either of the above two conditions hold. If the switches are set to "0", "1", then MPC will always be carried out at power ON.

Mode	16-6	16-7
Humidity over 60% and First in the morning	0	0
Humidity over 60% or First in the morning	1	0
Always	0	1
No control	1	1

***32 : F4 size setting**



Mode	17-0	17-1	17-2
8.5 x 13	0	0	0
8.25 x 13	1	0	0
8.125 x 13	0	1	0
8 x 13	1	1	0
8.5 x 13.5	0	0	1

***33 : Unit isolation**

If a unit is malfunctioning and causing a problem, set the corresponding bit to isolate the unit from the system (software isolation). Copier operation can then continue without problem until the unit can be repaired, etc.

***34 : SW2 (sub switch) turns ON with SW1 (main switch)**
Setting this bit to "1" will increase the warm-up time.

Reason:

The CB (overall control board) houses both an engine-control CPU and a system-control CPU. Switching ON of the main power does not start the engine CPU, but does start the power supply to the system CPU. The system CPU is initialized, and then the OS is initialized, and then memory and other hardware checks are performed.

This initialization sequence takes about 6 seconds (until the fax, printer/scanner, and copy LEDs have gone ON/OFF). When this setting is "0", the engine does not start if SW2 is pressed during initialization.



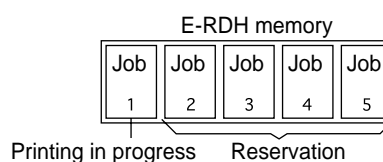
When the printer option is installed, the setting becomes "1", and cannot be changed.

***35 : Automatic feed of non-standard size originals in the platen auto start mode**

Included among the memory switch settings in the key operator mode is "Auto start auto select ON/OFF setting". When this setting is ON ("1") and the size of the original on the platen glass is detected as a non-standard size, the machine automatically starts paper feed from the bypass feed tray.

0	Auto start does not take place.
1	Auto start takes place when the by-pass feed tray is selected.

***36 : Process non-stop, and reserved job start timing setting**



This machine can hold up to 5 print jobs in the E-RDH memory. When this setting is "1", and a reserved job (copy reservation, printer job or FAX receiving operation) is generated during a print operation, the machine proceeds to the next job without stopping after the end of the ongoing print job.

When this setting is "0", the print operation stops after the end of the ongoing print job. However, if any of conditions 1 to 6 below exists, the print operation stops after the end of the ongoing print job, even if this setting is "1".

Conditions under which print operation stops

1. The ongoing print job (current job) and the next reserved job are of different kinds (reserved copy, fax, printer, interrupt copy).
2. The printer modes are different.
The current job is a two-sided mode job and the next reserved job is a one-sided mode job.
3. There is no FNS, and the output mode of the current job (non-sort, sort, group) differs from the output mode of the next job.
4. When an FNS is installed, the output mode, stapling position (at front, rear and both), and paper exit tray (tray 1 to tray 4) of the current job and the next reserved job are different.
5. The application functions (booklet, intersheet, memory copy, page insertion, rotation sort) of the next reserved job are selected.
6. The special original settings (mixed original, Z-fold, non-standard) of the current job and the reserved job are different.

③ *37 : Toner consumption reduction switch

With this setting, the toner consumption can be reduced by reducing the developing bias and the charging grid potential by 50V (20 steps). Alternatively, the image density can be raised slightly by raising the potential by 50V (20 steps).

Mode	5-5	5-6
No correction	0	0
Increased toner consumption (image density becomes darker.)	1	0
Reduced toner consumption (image density becomes lighter.)	0	1
No correction	1	1

*38 : Tray setting at commencement of search when APS is used

Mode	24-4	24-5
Search from upper tray of main body	0	0
Search from lower tray of main body	1	0
Search from upper tray of DB	0	1
Search from lower tray of DB	1	1

- ③ [ : Inch
 : Metric

*39 : Patch detection control threshold shift

Mode	26-0	26-1	26-2
0	0	0	0
- 6	1	0	0
- 4	0	1	0
- 2	1	1	0
0	0	0	1
+ 2	1	0	1
+ 4	0	1	1
+ 6	1	1	1

③ *40 : Drum initial rotation in the morning

If this setting is made "1" when blurry image occurs due to paper dust when the machine is switched ON in the morning, a drum initial rotation will take place for 30 seconds, thus preventing blurry image.

Mode	6-0
No	0
Yes	1

*41 : Toner density selection of developer (7020/25/30)

If gray background image is caused by the increase the toner density of developer, add correction to the L detection adjustment value to prevent gray background image. Change the setting in 1% steps, and make three solid black (A4) copies after each change.

Caution: Be sure to change the setting in 1% steps. If you change the setting in steps of 2% or more, a fault code (F26-2/3) will be displayed.

Mode	24-0	24-1
Standard	0	0
1% reduction	1	0
2% reduction	0	1
3% reduction	1	1

③ *42 : Automatic copy reservation function

When this setting is '1', the copy reservation screen automatically appears after the end of the original read operation. Also, the job settings are the same as the settings for the previous job.

Mode	27-0
Do not use	0
Use	1

- ⚠ *43 : Density setting when the toner save function is selected in the printer driver screen
This setting is effective only for the PCL and PS versions.

Mode	27-5	27-6	27-7
Standard	0	0	0
- 4 (Lighter)	1	0	0
- 3	0	1	0
- 2	1	1	0
- 1	0	0	1
+ 1	1	0	1
+ 2	0	1	1
+ 3 (Darker)	1	1	1

[3] PM Count Setting

This function resets the PM count and sets the PM cycle.
 Care should be taken to reset the PM count properly.

PM count / cycle menu

1. PM count resetting
2. PM cycle setting

1. PM count reset

Select whether to reset the count in the PM count reset screen.

Step	Operation procedure
1	Enter the 25 Mode.
2	[25 mode menu screen] Press the [2. PM COUNT/CYCLE] key.
3	[PM Count/Cycle Menu Screen] Press the [1. PM count reset] key.
4	[PM Count Reset Screen] Press the [YES] key to reset the PM count. Press the [NO] or [RETURN] key, then the PM count is not reset and returns to the PM count/cycle menu screen.

2. Entering PM count start date

When resetting the PM count, it is necessary to input the start date, and the screen below will appear automatically.

Step	Operation procedure
1	[PM Count Starting Date Input Screen] Enter a PM count start date from the numeric keys.
2	Press the [SET] key to enter the data that has been entered.
3	Press the [RETURN] key to return to the PM count/cycle menu screen.

Note: When pressing the [RETURN] key without pressing the [SET] key, the PM count start date is not changed. It is necessary to reset the count again for inputting the count.

3. Setting of PM cycle

Set PM Cycle as follows:

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [2. PM COUNT/CYCLE] key.
3	[PM Count/Cycle menu screen] Press the [2. PM CYCLE Set] key.
4	[PM Cycle set screen] Enter PM cycle from the numeric keys. Enter upper 3-digit (hundred thousand, ten thousand, thousand) only.
5	Press the [SET] key to enter a PM cycle that has been entered.
6	Press the [RETURN] key to return to the PM count/cycle menu screen.

[4] Data Collection

This function enables viewing of the various data recorded in the machine.

Also, it is possible for the collected data to be checked by KRDS and management listing.

Data collection menu

1. Count data collection
2. Area data collection start (Date count data)

Data collection list

Classification	Contents	Pre-peration
Data collection 1	Count number of copies by each size Count RADF original feed quantities	– (Note 1)
Data collection 2	Count of JAM occurrence by each point	• Enter the 25 mode ↓ • Select [1. Software SW]
Data collection 3	Count of copies by each mode	↓ • Set the address to 8-7:1 (Note 2)
Data collection 4	Count of SC occurrence	

Note 1: Only data collection 1 can be checked in default.

Note 2 : For the setting method, see "[2] Setting software DIP SW" in 25 mode.

1. Procedures for checking collected data

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [3. Collecting data] key.
3	[Data collection menu screen] Press the [1. Count data] key.
4	[Data collection screen] Change the data number with the [▲] or [▼] key.
5	Pressing [NEXT] or [FRONT] key enables display of next data collection screen. (Note 3) <div style="text-align: center;"> <pre> graph TD A[Data collection 1] --> B[Data collection 2] B --> C[Data collection 3] C --> D[Data collection 4] </pre> </div>
6	Press the [RETURN] key to return to the data collection menu screen.

- ⚠ (1) The data is displayed at the line 2 in the message display area as “Data number (No.): Count value (00000000)”.
- (2) The data number can be changed by pressing the [▲] or [▼] key.
- (3) Press and hold the [▲] or [▼] key to display the next items continuously.

Note 3 : In order to confirm collected data 2 to 4, set DIP SW 8-7 to “1” beforehand.

2. Data collection details

(1) Data collection 1

a. Copy count by each size

Type	Size No.	Paper size for destination		
		Japan	Metric	Inch
Copy count by each size	1	A3	A3	11 x 17
	2	B4	B4	8.5 x 14
	3	A4 + A4R	A4 + A4R	8.5 x 11 + 8.5 x 11R
	4	B5 + B5R	B5 + B5R	5.5 x 8.5
	5	A5	A5	-
	6	B6	F4	-
	7	8.5 x 14	-	-
	8	8.5 x 11 + 8.5 x 11R	-	A4 + A4R
	9	Metric	Metric	Inch
		Special	Special	Special
10	Postcard	-	-	

Maximum count number : 99,999,999

b. Count RADF original feed quantities

Type	Size No.	Feed mode
Count RADF original feed quantities	16	ADF mode original feed counter
	17	RADF mode original feed counter
	18	ADF mixed original mode original feed counter
	19	RADF mixed original mode original feed counter

Maximum count number : 99,999,999

(2) Data collection 2

Jam occurrence count by factor

No.	Jam	Point
1	10-0	By-pass
2	11-0	Upper tray (main body)
3	12-0	Lower tray (main body)
4	13-0	DB upper tray
5	14-0	DB lower tray
6	16-0	Paper feed jam
7	-	-
8	-	-
9	-	-
10	30-0	Conveyance jam
11	31-0	Conveyance jam
12	-	-
13	-	-
14	32-0	Fixing unit conveyance jam
15	32-2	Fixing unit conveyance jam
16	33-0	Fixing unit conveyance jam
17	75-10	IT-101
18	75-11	IT-101
19	-	-
20	97-1	ADU conveyance jam
21	97-2	ADU conveyance jam
22	92-0	ADU conveyance jam
23	75-12	IT-101
24	75-13	IT-101
25	61-0	DF-314
26	61-1	DF-314
27	62-0	DF-314
28	62-1	DF-314
29	62-2	DF-314
30	62-3	DF-314
31	62-4	DF-314
32	62-5	DF-314
33	63-0	DF-314
34	63-1	DF-314
35	63-2	DF-314
36	63-3	DF-314
37	63-4	DF-314

No.	Jam	Classification
38	63-5	DF-314
39	63-6	DF-314
40	63-7	DF-314
41	-	-
42	-	-
43	72-16	FS-107
44	72-17	FS-107
45	72-19	FS-107
46	72-21	FS-107
47	72-23	FS-107
48	72-81	FS-107
49	-	-
50	-	-

Maximum count number : 999,999

(3) Data collection 3

Copy count by each mode

No.	Contents
1	Platen single side → single side
2	-
3	RADF double side → single side
4	RADF double side → double side
5	RADF single side → single side
6	RADF single side → double side
7	Finisher (Staple mode)
8	Finisher (Sort mode)
9	Finisher (Group mode)
10	Finisher (No. of stapling)
11	Life size
12	Fixed ratio (E3: 1.41/2.00)
13	Fixed ratio (E2: 1.22/1.55)
14	Fixed ratio (E1: 1.15/1.29)
15	Fixed ratio (R1: 0.86/0.77)
16	Fixed ratio (R2: 0.82/0.65)
17	Fixed ratio (R3: 0.71/0.50)
18	Arbitrary magnification
19	Zoom
20	Maximum zoom
21	Minimum zoom
22	AMS mode
23	APS mode
24	AE mode
25	Interrupt mode
26	By-pass feed mode
27	Book copy mode
28	Frame erase mode
29	Fold erase mode
30	Image shift mode
31	Reduction image shift mode
32	-
33	-
34	No. of paper feed quantities at intersheet mode
35	-
36	Number of feed in the OHP mode (blank paper interleave)
37	No. of paper feed quantities at mixed original mode
38	Access number of the JOB memory call mode (Number of pressing the * button)

No.	Contents
39	Number of times the auto low power mode is used
40	Copy quantity is set to 1.
41	Copy quantity is set between 2 and 5.
42	Copy quantity is set between 6 and 10.
43	Copy quantity is set to 11 or above.
44	Intersheet
45	-
46	Photo mode
47	-
48	Verti./Horiz. zoom mode
49	Memory copy mode
50	Confirmation copy mode
51	Text/Photo mode
52	Text mode
53	Arbitrary density mode
54	Number of feed in the OHP mode (copy interleave)
55	-
56	-
57	Page insertion mode
58	Chapter division mode
59	2 in 1, 4 in 1, 8 in 1 mode
60	Repeat mode
61	B/W reverse mode
62	Non-image area erase mode
63	Increase contrast mode
64	Original auto layout copy
65	-
66	Number of copies in rotation
67	Copy quantity of paper feed from tray 1
68	Copy quantity of paper feed from tray 2
69	Copy quantity of paper feed from tray 3
70	Copy quantity of paper feed from tray 4
71	-
72	-
73	Finisher, Number of stapling (front)
74	Finisher, Number of stapling (rear)
75	Booklet mode copying count
76	OHP mode (without doubled sheet) copying count
77	Z-fold mode copying count
78	Copy quantity in the non-standard size mode
79	Stamping mode copying count
80	Image head correction mode copying count

△

Maximum count : 99,999,999

(4) Data collection 4

Count number of SC occurrence (F Code)

No.	Error code (decimal number)		Classification
	Main code	Sub code	
1	10-1		Communication error
2	10-2		
3	10-9		
4	18-1		Paper feed error
5	18-2		
6	18-3		
7	18-4		
8	26-1		L detection error
9	28-1		High-voltage power source error
10	28-2		
11	28-3		
12	34-1		Fixing high-temperature error
13	34-2		
14	35-1		Fixing low-temperature error
15	35-2		
16	35-3		
17	35-4		
18	35-5		
19	35-6		
20	35-7		
21	35-8		
22	35-9		
23	35-10		
24	36-1		Broken fixing sensor
25	36-2		
26	36-3		
27	-		-
28	40-1		Scanning system error
29	40-9		
30	41-1		
31	46-1		Image processing system error
32	46-8		
33	46-10		
34	46-11		
35	49-2		
36	49-4		
37	49-6		
38	51-4		Motor speed error
39	51-5		
40	51-6		
41	52-1		Fan lock error
42	52-2		

No.	Error code (decimal number)		Classification	
	Main code	Sub code		
43	56-1		Image control communication error	
44	56-2			
45	56-3			
46	56-4			
47	56-5			
48	56-6		Operation control section system error	
49	56-7			
50	56-8			
51	56-9			
52	56-10			
53	56-11		Main body identification error	
54	60-1		RADF error	
55	60-9			
56	60-11			
57	67-3		Finisher error	
58	70-1			
59	70-9			
60	70-11			
61	77-2			
62	77-3			
63	77-5			
64	77-6			
65	77-11			
66	77-16			
67	80-1		Non-volatile memory error	
68	80-2			
69	80-3			
70	80-4			
71	80-5			
72	81-1		Flash ROM error	
73	81-2			
74	81-3			
75	88-1		Image processing system error	
76	89-1		Overall control board communication error	
77	89-2			
78	89-3			
79	89-4			
80	89-5			
81	89-6			
82	87-1			Print controller error
83	52-5			Fan lock error
84	86-02			
85	86-03			
86	86-04			

No.	Error code (decimal number)		Classification
	Main code	Sub code	
87	86-06		Fax error (Overall control board side)
88	86-88		
89	86-89		
90	-		
91	86-91		
92	86-10		Fax error (Fax board side)
93	86-20		
94	22-1		Machine internal temperature
95	23-1		Drum periphery
96	26-2		L detection error
97	26-3		
98	28-4		High voltage power source error
99	43-1		Scanning system error
100	52-3		Fan lock error
101	36-4		Broken fixing sensor
102	52-6		Print controller error
103	87-2		
104	87-3		
105	77-18		Finisher error
106	52-4		Fan lock error (Other than 7020/25/30)
107	86-7		Fax error (Fax board side) (Other than 7020/25/30)
108	86-8		

Maximum count : 9,999

3. Starting periodic date collection

Reset the periodic data from the setting periodic collection start date. Make a date that this operation is performed as a new periodic collection start date.

The periodic data can be checked with the KRDS and management list.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [3. Collecting data] key.
3	[Data collection menu screen] Press the [2. Date count data] key.
4	[Starting periodic data collection screen] Press the [YES] key to start the periodic data collection. Press the [NO] or [RETURN] key, then data collection start date is not reset and returns to the data collection menu screen.

[5] Copy Count for Each Part to be Replaced

Perform the copy count display, count clear, limit value setting and arbitrarily parts to be replaced setting to the data of the parts to be replaced (fixed/arbitrarily).

Each count value can be check with the management list of 36 Mode and the KRDS.

Parts counter menu

1. Copy Count for each fixed replacement part
2. Copy Count for each arbitrarily replacement part

1. Copy count display and count reset by parts to be replaced (fixed)

Set the parts name of the fixed parts to be replaced (fixed), parts No. and copy count display, and count reset.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [4. Parts counter] key.
3	[Parts counter menu screen] Press the [1. Count of parts (Fixed)] key.
4	[Copy count screen by parts to be replaced (fixed)] Press [▲], [▼] keys to select the data.
5	Press the [Count reset] key.
6	[Count reset screen by parts to be replaced (fixed)] Press the [YES] key to clear the copy count. Press the [NO] or [RETURN] key, then the copy count is not reset and returns to the copy count screen by parts to be replaced.

3 List of parts to be replaced (fixed)

7020/25/30	Other than 7020/25/30	Unit	Parts name
1	1	Drum unit	Drum
2	2	(including charging corona unit)	Cleaning blade assembly
3	3		Drum unit
4	4	Transfer separation corona unit	Transfer separation corona unit
5	5	Developing unit	Developer
6	6		Developing unit
7	7	Main body	Ozone filter
-	8		Suction filter/A
-	9		Filter cover assembly
8	10	Main body paper	Feed rubber
9	11	feed unit (Tray1)	Double feed prevention rubber/Upper
10	12		Double feed prevention rubber/Lower
11	13	Main body paper	Feed rubber
12	14	feed unit (Tray2)	Double feed prevention rubber/Upper
13	15		Double feed prevention rubber/Lower
14	16	DB paper feed unit (Tray3 ro LCT)	DB feed rubber
15	17		DB double feed prevention rubber/Upper
16	18		DB double feed prevention rubber/Lower
17	19	DB paper feed unit (Tray4)	DB feed rubber
18	20		DB double feed prevention rubber/Upper
19	21		DB double feed prevention rubber/Lower
20	22	By-pass feed unit	By-pass feed reverse roller
21	23		By-pass feed pick up roller
22	24		By-pass feed conveyance roller
23	25	Fixing unit	Fixing heat roller
24	26		Fixing pressure roller
25	27		Fixing web
26	28		Heat insulating sleeve/A
27	29		Heat insulating sleeve/B
28	30		Fixing cleaning roller
29	31		Cleaner assembly
30	32		Fixing claw
31	33		Fixing roller holder/Upper
32	34		Fixing roller holder/Lower
33	35		Fixing sensor
34	36		Fuse mounting plate assembly
35	37		Fixing heater lamp/1
36	38		Fixing heater lamp/2
37	39	DF-314	Paper feed roller/A
38	40		Double feed prevention roller/A assembly
39	41	FS-107	Paper exit roller/A

2. Copy count display and count reset by parts to be replaced (Named; arbitrarily)

Set the limit value for the parts to be replaced, parts No., parts name setting, copy count display and count reset.

Step	Operation procedure
1	Enter the 25 Mode.
2	[25 mode menu screen] Press the [4. Parts counter] key.
3	[Parts counter menu screen] Press the [2. Count of parts (Named)] key.
4	[Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] key to select the data to be set or changed.
5	The following items can be set below: [COUNT RESET] : To clear the copy count. [LIMIT SET] : To enter the limit value (6-digit). [P/N SET] : To enter the parts number (9-digit). [Parts name] : To enter the parts name.
6	Press the [RETURN] key, then return to copy count screen by parts to be replaced.

List of parts to be replaced (arbitrarily)

No.	Count timing
1	When copy count (at the paper exit is completed)
2	When copy count (at the paper exit is completed)
3	When copy count (at the paper exit is completed)
4	When copy count (at the paper exit is completed)
5	When copy count (at the paper exit is completed)
6	When copy count (at the paper exit is completed)
7	When copy count (at the paper exit is completed)
8	When copy count (at the paper exit is completed)
9	When copy count (at the paper exit is completed)
10	When copy count (at the paper exit is completed)
11	When copy count (at the paper exit is completed)
12	When copy count (at the paper exit is completed)
13	When copy count (at the paper exit is completed)
14	When copy count (at the paper exit is completed)
15	When copy count (at the paper exit is completed)
16	When copy count (at the paper exit is completed)
17	When copy count (at the paper exit is completed)
18	When copy count (at the paper exit is completed)
19	When copy count (at the paper exit is completed)
20	When copy count (at the paper exit is completed)
21	When paper is fed from by-pass tray
22	When paper is fed from tray 1
23	When paper is fed from tray 2
24	When paper is fed from tray 3
25	When paper is fed from tray 4
26	When paper is fed from ADU
27	When paper is exited from main body
28	When original is fed into RADF
29	When original is fed into RADF
30	When original is fed into RADF

(1) Count resetting method

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [4. Parts counter] key.
3	[Parts counter menu screen] Press the [2. Count of parts (Named)] key.
4	[Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] to select the data.
5	Press the [COUNT RESET] key.
6	[Count reset screen by parts to be replaced (named)] Press the [YES] key to clear the copy count that has been selected. Press the [NO] or [RETURN] key, then the copy count is not reset and returns to the copy count screen by parts to be replaced (named).

(2) Count limit setting method

Enter the new limit value from the numeric keys on the screen.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [4. Parts counter] key.
3	[Parts counter menu screen] Press the [2. Count of parts (Named)] key.
4	[Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] to select the data to be set or changed.
5	Press the [LIMIT SET] key.
6	[Copy count limit setting screen by parts to be replaced (named)] Enter new value using the numeric keys.
7	Press the [SET] key to enter the limit value that has been entered.
8	Press the [RETURN] key to return to the copy count screen by parts to be replaced (named).

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete without changing a new limit value and returns to the copy count screen by parts to be replaced (Named).

Reference: The right side of the limit value will be marked "*" if the copy count exceeds its limit value.

(3) Parts No. setting

- △ Enter the new parts No. (9-digit) from the numeric keys and alphabet keys on the screen.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [4. Parts counter] key.
3	[Parts counter menu screen] Press the [2. Count of parts (Named)] key.
4	[Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] to select the data to be set or changed.
5	Press the [P/N SET] key.
6	[Part No. setting screen by parts to be replaced (named)] Enter new parts No. using the numeric and alphabet keys.
7	Press the [SET] key to enter the parts No. that has been entered.
8	Press the [RETURN] key to return to the copy count screen by parts to be replaced (Named).

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete without changing a new parts No. and returns to the copy count screen by parts to be replaced (Named).

(4) Parts name setting

Enter the new parts name from the keys on the screen.

There are three screen in the input screen and are changed with the [▼] or [▲] key:

- Alphabet (a capital letter), numeric number
- Alphabet (a small letter), numeric number
- Symbol, numeric number

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [4. Parts counter] key.
3	[Parts counter menu screen] Press the [2. Count of parts (Named)] key.
4	[Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] to select the data to be set or changed.
5	Press the [P/N SET] key.
6	[Parts name setting screen by parts to be replaced (named)] Enter new parts name using the keys on the screen.
7	Press the [OK] key to enter the parts name that has been entered and return to the copy count screen by parts to be replaced (Named).

Note: When pressing the [CANCEL] key without pressing the [OK] key, the setting is completed without setting a parts name and returns to the copy count screen by parts to be replaced (Named).

[6] Password Setting

This function sets the password to enter each mode.

In the 25 mode menu screen, select the [5. Password setting], then the password setting menu screen will appear.

Select the password to be adjusted/entered in this screen.

Password setting menu

1. Key operator password set
2. E.K.C. master key code set
3. Weekly timer master key set

1. Setting key operator password


This function sets the password to enter the key operator mode.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [5. Password setting] key.
3	[Password setting menu screen] Press the [1. Key operator password set] key.
4	[Key Operator Password Setting Screen] Enter 4-digit new password from the numeric keys.
5	Press the [SET] key to set the password that has been entered.
6	Press the [RETURN] key to return to the password setting menu screen.

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete. However the new password will not be entered and the password setting menu screen will return.

Reference: When setting a password to "0000", the key operator mode can be used without a password.

2. Setting of EKC master key code

 Set the EKC master key code when entering the EKC setting mode of the key operator mode.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [5. Password setting] key.
3	[Password setting menu screen] Press the [2. E.K.C. master key code set] key.
4	[EKC master key code setting screen] Enter 8-digit new EKC master key code using the numeric keys.
5	Press the [SET] key to enter the EKC master key code that has been entered.
6	Press the [RETURN] key to return to the password setting menu screen.

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete without changing a new EKC master key code and returns to the password setting menu screen.

Reference: When "00000000" is set as the password, the EKC setting menu screen will be displayed instead of the password entry screen.

3. Setting the weekly timer master key

This function sets the weekly timer master key required for entering the various weekly timer set mode.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [5. Password setting] key.
3	[Password setting menu screen] Press the [3. Weekly timer master key set] key.
4	[Weekly timer master key setting screen] Enter 4-digit new weekly timer master key using the numeric keys.
5	Press the [SET] key to enter the weekly timer master key that has been entered.
6	Press the [RETURN] key to return to the password setting menu screen.

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete without changing a new weekly timer master key and returns to the password setting screen.

Reference: When setting the master key to "0000", the weekly timer mode can be used without a password.

[7] Setting Phone Number of the Service Center

This function displays the telephone and fax numbers of the service center which is indicated on the screen if a service call is required.

This function is not related to KRDS functions. It is designed only for indicating the data on the screen.

1. Setting phone and fax number of the service center

Select [6. Service TEL No.] in the 25 mode screen.

Service center number setting screen will appear.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [6. Service TEL No.] key.
3	[Service center number setting screen] Press the [TEL] key to set the phone number and the [FAX] key to set the [FAX] number, and input the number (Max. 21 digits) using the numeric keys on the screen.
4	When input has been mistaken, rewrite it after moving the cursor with [<<] or [>>] key, or delete all with the Stop/clear button to input again.
5	Press the [SET] key to enter the number that has been entered.
6	Press the [RETURN] key to return to the 25 mode menu screen.

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete. However the new phone number will not be entered and the 25 mode menu screen will return.

[8] Setting the Serial Number

This function is used to display, set and change the serial number of the main body and optional units.

The serial numbers can be read from KRDS.

1. Serial number display procedure

Select [7. Serial number] in the 25 mode screen. The serial number setting screen will appear.

The item name and serial number are displayed on the serial number setting menu screen. Each serial number is displayed at the right side of each unit.

You can set the destination (for FAX) of the machine by pressing the [Destination setting] key.

Press the [RETURN] key to end setting and return to the 25 mode menu screen.

2. Setting and changing serial number

On the serial number setting screen, select the desired item, then each serial number setting screen will appear.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [7. Serial number] key.
3	[Serial number setting menu screen] Press the key corresponding to the desired item on the screen.
4	[Serial number setting screen] Enter the 9-digit serial number from the alphabet and numeric keys on the screen and then press the [SET] key to enter the number that has been entered.
5	Press the [RETURN] key to return to the serial number setting menu screen.
6	When changing the serial number of other item, repeat steps 3 to 5.
7	Press the [RETURN] key to return to the 25 mode menu screen.

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete. However the new serial number will not be entered and the serial number setting menu screen will return.

3. Changing the destination setting (for FAX option)

To change the destination setting, press the "Destination" key on the serial-number setup menu. The procedure is as follows.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [7. Serial No.] key.
3	[Serial number setting screen] Press the [Destination] key.
4	[Destination setting screen] Use the [▲] or [▼] key to select the destination.
5	Press the [OK] key to register the setting and to return to the serial number setting screen.
6	Press the [RETURN] key to return to the 25 mode menu screen.

Note: If you press [CANCEL] key, the copier will retain the previous destination setting and return you to the serial number setting screen.

<Destination codes>

Code	Destination	Code	Destination
JP	Japan	IE	Ireland
CA	Canada	FI	Finland
US	U.S.A	SE	Sweden
KR	Korea	NO	Norway
SG	Singapore	AT	Austria
MY	Malaysia	BE	Belgium
CN	China	NL	Netherlands
SA	Saudi Arabia	CH	Switzerland
TW	Taiwan	FR	France
ZA	South Africa	GB	Great Britain
PL	Poland	DE	German
PT	Portugal	EU	Europe
ES	Spain	NZ	New Zealand
IT	Italy	AU	Australia
DK	Denmark		

[9] Displaying the ROM Version

Display ROM version mounted to the machine.

1. ROM version viewing method

In the 25 mode menu screen, select [8. ROM version], then the ROM version display screen will appear.

The item name and ROM version are displayed on the ROM version display screen. Each serial number is displayed at the right side of each item.

When there is no option not installed, the applicable position is a blank.

ROM version display

1. System control
2. Image control
3. Panel control
4. Optical control
5. RADF
6. Finisher

When the optional fax and printer are installed, their ROM versions will also be displayed.

Press the [RETURN] key to end this screen and return to the 25 mode screen.

[10] KRDS Setting

Refer to the chapter "KRDS."

[11] ISW Setting

Refer to the chapter "ISW."

[12] Root Counter Display

The root counter (total counter can be checked in 25 mode on the root counter display.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [11. Root counter].
3	[Root counter display screen] Values of the root counter (total counter) are displayed.
4	Press the [RETURN] key to return to the 25 mode screen.

[13] Setting Date

Set the total count start day.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [12.Setting date] key.
3	[Setting date screen] Using the numeric keys, enter the year, month and day in that sequence
4	Press the [OK] key to return to the 25 mode screen.

Note: Ends when the [Cancel] key is pressed without amending the entered date, and returns to the 25 mode menu screen.

[14] Counter Clear

(Other than 7020/25/30/35)

The counter must be cleared whenever the drum or fixing parts/unit is replaced.

Select the [13. Counter Clear] from the 25 mode menu screen to display the counter clear screen.

Following menu options are available from this screen.

1. Drum unit related counter (Drum counter).
2. Fixing counter (fixing web counter).


Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [13. Counter clear] key.
3	[Counter clear screen] Press the key corresponding to the item to be cleared.
4	Message in the message display area will confirm if you really want to clear the item. Press the [YES] key. When the item is cleared, the counter clear screen will be restored.
5	When clearing another counter, repeat above steps 3 and 4.
6	Press the [RETURN] key to return to the 36 mode menu screen.

The operation here is the same as [13, Counter clear] of the 36 mode menu screen.

36 MODE

List of adjustment items for 36 mode

No.	Menu	No.	Sub menu	Circular menu	Summary of operation		
1	High voltage adjustment	—	None	Charging voltage adjustment	Adjustment in the field is inhibited.		
				Transfer current adjustment			
				Separation (AC) voltage adjustment			
				Separation (DC) current adjustment			
				Charging grid voltage adjustment			
				Developing bias adjustment			
				L detection adjustment	Performs L detection adjustment for the developer, and registers the result in the nonvolatile memory. Display the L detection adjustment value as the result when it is completed. Reset the developing counter.		
	Automatic toner supply	Adjustment in the field is inhibited.					
2	Timing adjustment	1	Vertical/Horizontal magnification adjustment	Printer vertical magnification (drum clock) adjustment	⚠The method of adjusting the 7020/25/30 differs from that of the 7022/7130/7035/7135.		
				Printer 2 vertical magnification (drum clock) adjustment (Other than 7020/25/30)	After adjustment, print the SGU pattern (No.16).		
				Platen vertical magnification (drum clock) adjustment	After making an adjustment, make a copy.		
				Platen horizontal magnification adjustment			
				RADF (50% single side) vertical magnification (drum clock) adjustment	The same as 36 mode 9 RADF Adjustment.		
				RADF (100% single side) vertical magnification (drum clock) adjustment			
				RADF (200% single side) vertical magnification (drum clock) adjustment			
				RADF (400% single side) vertical magnification (drum clock) adjustment			
				RADF (50% double side) vertical magnification (drum clock) adjustment			
				RADF (100% double side) vertical magnification (drum clock) adjustment			
				RADF (200% double side) vertical magnification (drum clock) adjustment			
				RADF (400% double side) vertical magnification (drum clock) adjustment			
				2	Restart timing adjustment		
		Restart timing adjustment (Main body upper tray)					
		Restart timing adjustment (Main body lower tray)					
		Restart timing adjustment (DB upper tray)					
		Restart timing adjustment (DB lower tray)					
		Restart timing adjustment (By-pass)					
		Restart timing adjustment (ADU)					

No.	Menu	No.	Sub menu	Circular menu	Summary of operation			
2	Timing adjustment	2	Restart timing adjustment	Restart timing adjustment (RADF single side)	The same as 36 mode 9 RADF Adjustment.			
				Restart timing adjustment (RADF double side (first side))				
				Restart timing adjustment (RADF double side (second side))				
		3	Paper feed loop adjustment	3	Paper feed loop amount adjustment	Paper feed loop amount adjustment (All)	After making an adjustment, print the SGU pattern (No.16).	
						Paper feed loop amount adjustment (Main body upper tray)		
						Paper feed loop amount adjustment (Main body lower tray, small size)		
						Paper feed loop amount adjustment (Main body lower tray, large size)		
						Paper feed loop amount adjustment (DB upper tray, small size)		
						Paper feed loop amount adjustment (DB upper tray, large size)		
						Paper feed loop amount adjustment (DB lower tray, small size)		
						Paper feed loop amount adjustment (DB lower tray, large size)		
						 Paper feed loop amount adjustment (By-pass, ordinary paper)		
						Paper feed loop amount adjustment (By-pass, thick paper)		
						Paper feed loop amount adjustment (By-pass, post card)		
						Paper feed loop amount adjustment (ADU)		
						Paper feed loop amount adjustment (RADF single side)		The same as 36 mode 9 RADF Adjustment.
						4		Leading edge original erasure adjustment	4	Leading edge original erasure adjustment	None	After making an adjustment, make a copy.
		5	Centering adjustment	5	Centering adjustment	Centering adjustment (All)	After making an adjustment , print the SGU pattern (No.16).	
						Centering adjustment (Main body upper tray, common)		
						Centering adjustment (Main body upper tray, small size)		
						Centering adjustment (Main body upper tray, large size)		
						Centering adjustment (Main body lower tray, common)		
						Centering adjustment (Main body lower tray, small size)		
						Centering adjustment (Main body lower tray, large size)		
						Centering adjustment (DB upper tray, common)		
						Centering adjustment (DB upper tray, small size)		
						Centering adjustment (DB upper tray, large size)		
Centering adjustment (DB lower tray, common)								
Centering adjustment (DB lower tray, small size)								
Centering adjustment (DB lower tray, large size)								

No.	Menu	No.	Sub menu	Circular menu	Summary of operation	
2	Timing adjustment	5	Centering adjustment 	Centering adjustment (ADU, common)	Print the SGU patters (No.16) after making an adjustment.	
				Centering adjustment (ADU, small size)		
				Centering adjustment (ADU, large size)		
				Centering adjustment (By-pass, common)		
				Centering adjustment (By-pass, small size)		
				Centering adjustment (By-pass, large size)		
				Centering adjustment (Platen)		After making an adjustment, make a copy.
				Centering adjustment (RADF single side)		The same as 36 mode 9 RADF Adjustment.
				Centering adjustment (RADF double side (first side))		
				Centering adjustment (RADF double side (second side))		
		6	Image read point adjustment	Platen adjustment	After making an adjustment, make a copy.	
		7	Restoring standard data	Vertical/Horizontal magnification adjustment	Reset the adjustment data in the same condition as they were when the machine left the factory.	
				Restart timing adjustment		
Paper feed loop amount adjustment						
Leading edge original erasure adjustment						
Centering adjustment						
		Image read point adjustment				
3	Running mode	1	Intermittent copy mode	None	After making a selection, carry out operation.	
		2	No paper intermittent copy mode			
		3	No paper mode			
		4	No paper endless mode			
		5	Running mode			
4	Test pattern print	—	None	None	Print the SGU pattern according to the specification No.	
5	Density adjustment	—	Test pattern density adjustment	None	After making an adjustment, print the specified SGU pattern.	
6	Copy quality adjustment	1	RADF scanner density adjustment	None	Make a density adjustment by letting the machine read white chart.	
			Non-original erasure installation survey	None	Check with RADF opened completely. (Other than 7020/25/30)	

No.	Menu	No.	Sub menu	Circular menu	Summary of operation	
7 △ ₃	List print (Note 1)	1	Test pattern	None	Grid pattern with 2 dots in width of line and 500 dots at intervals of lines.	
		2	Font pattern	None	Built-in font pattern (Those for Japan include kanji characters.)	
		3	Memory dump list	None	Print dump of data stored from the specified address in Hex and ASCII formats.	
		4	Machine management list	None	Print the condition of the machine, counter data information, and jam history.	
		5	Adjustment list	None	Print only 25/36 mode adjustment value from the machine management list.	
		6	7	Log list (1)	None	Print dump of data stored from the specified address in Hex and ASCII formats.
		7	8	Log list (2)		
		8	Analysing list	None	Outputs the necessary list prints all together if trouble occurs in the field. (Other than 7020/25/30/35)	
8 △ ₃	Counter clear (Note 2)	1	Drum unit related counter	None	Clears the drum counter and the drum drive counter.	
		2	Fixing unit related counter	None	Clear fixing web counter	
9	RADF adjustment	1	Vertica/Horizontal magnification adjustment	Vertical magnification adjustment of RADF (50% single side)	After making an adjustment, make a copy.	
				Vertical magnification adjustment of RADF (100% single side)		
				Vertical magnification adjustment of RADF (200% single side)		
				Vertical magnification adjustment of RADF (400% single side)		
				Vertical magnification adjustment of RADF (50% double side)		
				Vertical magnification adjustment of RADF (100% double side)		
				Vertical magnification adjustment of RADF (200% double side)		
				Vertical magnification adjustment of RADF (400% double side)		
		2	Restart timing adjustment	RADF (single side)	After making an adjustment, make a copy.	
				RADF (double side (first side)) RADF (double side (second side))		
3	Paper loop adjustment	RADF (single side)	After making an adjustment, make a copy.			
4	Centering adjustment	RADF (single side)	After making an adjustment, make a copy.			
		RADF (double side (first side)) RADF (double side (second side))				
5	RADF scanner density adjustment	None	Make an adjustment of density by letting the machine read white chart.			
10	FNS adjustment	—	FNS alignment plate position adjustment (back)	After making an adjustment, make a copy.		
			FNS alignment plate position adjustment (front)			

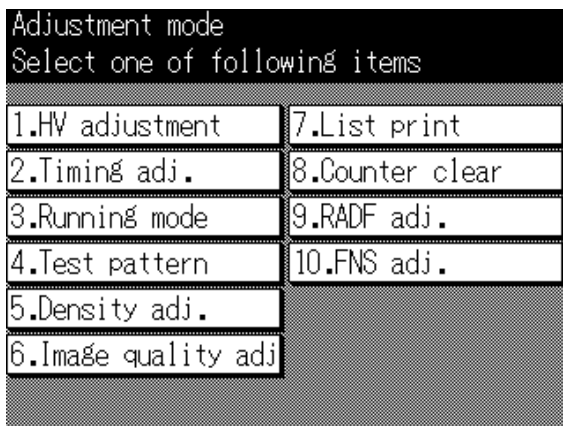
△₃ [Note 1: The sub-menu No. of the [Log list (1)/(2)] [Analysing list] sub-menu is different for each model of main body.
Note 2: The [Counter clear] menu is the same as [13. Counter clear] of the 25 mode.


[1] Setting Method

A special operating mode called "36 Mode" has been provided with this machine. This mode enables adjustment of the various parts.

1. Turn the SW2 (sub power) OFF when the SW1 (main power) remains ON.
2. Turn the SW2 (sub power) ON while pressing 3 and 6 of the copy quantity setting buttons.
36 mode menu screen will appear on the LCD. At this time, normal copy operation is not possible.

36 mode menu screen



 Note: In the case of machines other than the 7020/25/30/35, [8. Counter Clear] in the 36 mode is the same as [13. Counter Clear] in the 25 mode.

3. Press the desired item key on the LCD screen. Each setting screen will appear.
4. Enter data in each setting screen.
5. Press the [RETURN] key to check the data that have been entered.
6. Turn the SW2 (sub power) OFF to cancel the 36 mode.
7. New data will be effective after re-starting.

Note: If RADF and FNS are not installed, the [9. RADF adj.] and [10. FNS adj.] keys are netted and neither key can be selected.

[2] High Voltage Adjustment

1. Charging voltage value adjustment

Charging voltage value adjustment is inhibited in the field.

2. Transfer current adjustment

Transfer current adjustment is inhibited in the field.

3. Separation (AC) voltage adjustment

Separation (AC) voltage adjustment is inhibited in the field.

4. Separation (DC) voltage value adjustment

Separation (DC) voltage value adjustment is inhibited in the field.

5. Charging grid voltage adjustment

Charging grid voltage adjustment is inhibited in the field.

6. Developing bias adjustment


Developing bias adjustment is inhibited in the field.

7. L detection adjustment

This adjustment be made immediately after replacement of the developer (before any copies are made with the new developer). Developing counter is automatically reset.

Caution: After replacing the developer, do not make copies until you have performed L detection adjustment.

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [1. HV adjustment] key.
3	[High voltage adjustment screen] Press the [NEXT] key until the "L detection adj." appears in the message display area.
4	[High voltage adjustment --- L detection adjustment screen] Press the [START] key, then confirm that [OK] is displayed at [RESULT] and the L detection data value.
5	To make another adjustment, press the [NEXT] or [BACK] key to select the desired adjustment.
6	Press the [RETURN] key to return to the 36 mode menu screen.

 **Caution:** If an OK indication does not appear after the developer has been agitated, it means that an L detection adjustment error has occurred. In this case, an error code will appear in the "Result" display area. For the meaning of error codes, refer to the "L detection error code list" of "List of warning (error) codes".

8. Automatic toner supply

Normally, high voltage adjustment and toner supply take place automatically so there is no need to carry out these operations in the field.

[3] Timing Adjustment

This function adjusts each timing.

When timing adjustment is performed, use A3 or 11 x 17 size paper.

Timing adjustment menu

1. Vertical/horizontal magnification adjustment
 2. Restart timing adjustment
 3. Paper feed loop amount adjustment
 4. Leading edge original erasure amount adjustment
 5. Centering adjustment
 6. Image read point adjustment
 7. Restoring standard data
- (1) Select [2. Timing adj.] in the 36 mode menu screen. The timing adjustment menu screen will appear.
 - (2) Press the item key to be adjusted. The selected setting screen will appear.

1. Vertical/Horizontal magnification adjustment

Adjust the vertical/horizontal magnification at the zoom mode.


- (1) Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear. Select the [1. Drum clock adj.] on this screen, then the Drum clock adjustment (vertical/horizontal magnification adjustment) screen will appear.

This adjustment has the following items. These can be selected by pressing the [NEXT] or [BACK] key:

- Vertical magnification adjustment --- Printer (Note 1)
- Vertical magnification adjustment --- Printer 2 (Other than 7020/25/30)
- Vertical magnification adjustment --- Platen
- Horizontal magnification adjustment --- Platen
- Vertical magnification adjustment --- RADF (single side, 50%)
- Vertical magnification adjustment --- RADF (single side, 100%)
- Vertical magnification adjustment --- RADF (single side, 200%)
- Vertical magnification adjustment --- RADF (single side, 400%)
- Vertical magnification adjustment --- RADF (single side, 50%)
- Vertical magnification adjustment --- RADF (double side, 100%)
- Vertical magnification adjustment --- RADF (double side, 200%)
- Vertical magnification adjustment --- RADF (double side, 400%)

If the RADF is not installed, the RADF adjustment item will not appear.

- (2) Enter data from the numeric keys on the screen, then press the [SET] key to enter the data that have been entered.
- (3) Press the [COPY] key to return to the basic screen, then make a test copy.
- (4) Press the # button while pressing the * button to return to the Vertical/Horizontal magnification adjustment screen.
- (5) If the output (test copy image) is different from the standard value, enter setting value using the numeric keys and make a test copy.

 If the output (test copy image) is within the standard value, adjust the next adjustment item.

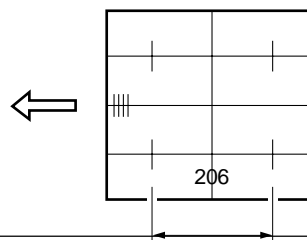
Note 1: Vertical magnification adjustment --- The method of adjusting the 7020/25/30 printer differs from that of the 7022/7130/7035/7135.

a. Printer vertical magnification adjustment (Exclusively for the 7020/25/30)

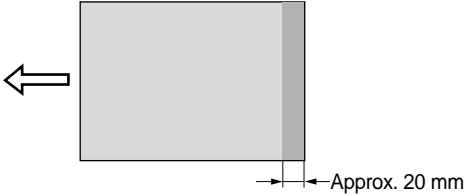
Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [1. Drum clock adj.] key.
4	[Magnification adjustment screen] Press the [NEXT] key until "Printer" appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Select A3 or 11 x 17 size paper, then press the Start print button to print the SGU pattern.
7	Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ± 1 mm with respect to 206 mm
8	Press the # button while pressing the * button to return to the vertical/horizontal magnification (drum clock) adjustment screen.
9	[Vertical/horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -50 (reduction) ~ +50 (enlargement) 1 step = 0.1 %
10	Repeat steps 5 to 9 until the vertical magnification becomes the standard value.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

Standard value: 0.5 % max. (life size)

Within ± 1.0 mm with respect to 206 mm



**3 b-1. Printer vertical magnification adjustment
(Other than 7020/25/30)**

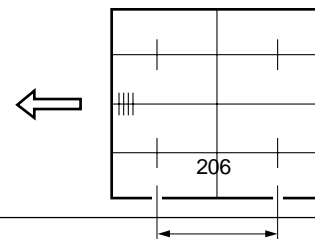
Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [1. Drum clock adj.] key.
4	[Magnification adjustment screen] Press the [NEXT] key until "Printer" appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set the copy size to A3 or 11 x 17, and the copy quantity to 5, then press the Start button and output an SGU pattern (No. 9).
7	Output five sheets of paper, and check for transfer jitter.  Check the transfer jitter at a point approx. 20 mm from the trailing edge of the paper.
8	Press the # button while pressing the * button to return to the vertical/horizontal magnification (drum clock) adjustment screen.
9	[Vertical/horizontal magnification (drum clock) adjustment screen] If a transfer jitter occurs, enter a value from the numeric keys (change the value in 2 steps), then press the [Set] key to finalize the adjustment value. Input range: -50 (reduction) ~ +50 (enlargement) 1 step = 0.1 %
10	Repeat steps 5 to 9 until the transfer jitter in all five output sheets disappears.
11	Once you have confirmed that there is no transfer jitter, press the [NEXT] key, then select "Printer 2" to adjust the vertical magnification of "printer 2".

**3 b-2. Printer 2 vertical magnification adjustment
(Other than 7020/25/30)**

Note: Ensure that the printer's vertical magnification (Other than 7020/25/30) is adjusted before going ahead with this adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [1. Drum clock adj.] key.
4	[Magnification adjustment screen] Press the [NEXT] key until "Printer 2" appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Select A3 or 11 x 17 size paper, then press the Start print button to print the SGU pattern.
7	Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ±1 mm with respect to 206 mm
8	Press the # button while pressing the * button to return to the vertical/horizontal magnification (drum clock) adjustment screen.
9	[Vertical/horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -50 (reduction) ~ +50 (enlargement) 1 step = 0.1 %
10	Repeat steps 5 to 9 until the vertical magnification becomes the standard value.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

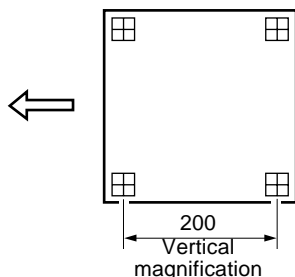
Standard value: 0.5 % max. (life size)
Within ±1.0 mm with respect to 206 mm



c. Platen vertical magnification adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [1. Drum clock adj.] key.
4	[Vertical/Horizontal magnification (drum clock) adjustment screen] Press the [NEXT] key until "Drum clock adj. (platen)" appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set the new pyramid chart on the original glass and select A3 or 11 x 17 size paper. Then press the Start print button to make a copy.
7	Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ± 1 mm with respect to 200 mm
8	Press the # button while pressing the * button to return to the vertical/horizontal magnification adjustment screen.
9	[Vertical/Horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -20 (reduction) ~ +20 (enlargement) 1 step = 0.05 %
10	Repeat steps 5 to 9 until the vertical magnification becomes the standard value.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

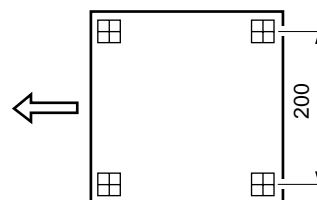
Standard value: 0.5 % max. (life size)
Within ± 1.0 mm with respect to 200 mm



d. Platen horizontal magnification adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [1. Drum clock adj.] key.
4	[Vertical/Horizontal magnification (drum clock) adjustment screen] Press the [NEXT] key until "Horizontal adj. (platen)" appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set the new pyramid chart on the original glass and select A3 or 11 x 17 size paper. Then press the Start print button to make a copy.
7	Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ± 1 mm with respect to 200 mm
8	Press the # button while pressing the * button to return to the vertical/horizontal magnification (drum clock) adjustment screen.
9	[Vertical/Horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -10 (reduction) ~ +10 (enlargement) 1 step = 0.1 %
10	Repeat steps 5 to 9 until the horizontal magnification becomes the standard value.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

Standard value: 0.5 % max. (life size)
Within ± 1.0 mm with respect to 200 mm



Caution: The result of the platen horizontal magnification will be reflected all the images read by scanner (RADF, platen).

e. RADF vertical magnification adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [1. Drum clock adj.] key.
4	[Vertical/Horizontal magnification (drum clock) adjustment screen] Press the [NEXT] key until "RADF/100%" appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set the ADF adjustment chart on the RADF and select A3 or 11 x 17 size paper. Then press the Start print button to make a copy.
7	Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ± 1.0 mm with respect to 190 mm
8	Press the # button while pressing the * button to return to the vertical/horizontal magnification (drum clock) adjustment screen.
9	[Vertical/Horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -20 (reduction) ~ +20 (enlargement) 1 step = 0.1 %
10	Repeat steps 5 to 9 until the vertical magnification becomes the standard value.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

2. Restart timing adjustment

To adjust the restart timing.

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

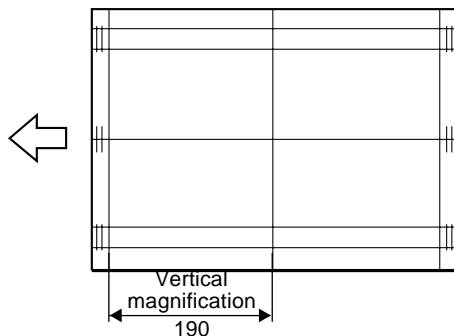
Select the [2. Restart timing] on this screen, then the restart timing adjustment screen will appear.

This adjustment has the following kinds of items. These can be selected by pressing the [NEXT] or [BACK] key:

- Restart timing adjustment --- Engine (All)
- Restart timing adjustment --- Engine (Main body upper tray)
- Restart timing adjustment --- Engine (Main body lower tray)
- Restart timing adjustment --- Engine (DB upper tray)
- Restart timing adjustment --- Engine (DB lower tray)
- Restart timing adjustment --- Engine (By-pass)
- Restart timing adjustment --- Engine (ADU)
- Restart timing adjustment --- RADF (single side)
- Restart timing adjustment --- RADF (double side (first side))
- Restart timing adjustment --- RADF (double side (second side))

Standard value: 0.5 % max. (life size)

Within ± 1 mm with respect to 200 mm



a. Engine restart timing adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [2. Restart timing] key.
4	[Restart timing adjustment screen] Press the [NEXT] key until the desired adjustment item appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Select A3 or 11 x 17 size paper and press the Start print button to print the SGU pattern.
7	Check the restart (leading edge) timing of the output paper. Standard value: Within ± 2.0 mm
8	Press the # button while pressing the * button to return to the restart timing adjustment screen.
9	[Restart timing adjustment screen] If the restart timing is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -127 (slow) ~ +127 (fast) 1 step = 0.1mm
10	Repeat steps 5 to 9 until the restart timing becomes the standard value.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

b. RADF restart timing adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [2. Restart timing] key.
4	[Restart timing adjustment screen] Press the [NEXT] key until the desired RADF adjustment item appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set the ADF adjustment chart on the RADF and select A3 or 11 x 17 size paper. Then press the Start print button to make a copy. * Adjustment the "RADF double side (second side)", then make a test copy in double side - single side mode and check the restart timing of 2nd output paper.
7	Check the restart (leading edge) timing of the output paper. Standard value: Within ± 3.0 mm (life size)
8	Press the # button while pressing the * button to return to the restart timing adjustment screen.
9	[Restart timing adjustment screen] If the restart timing is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -50 (slow) ~ +50 (fast) 1 step = 0.1mm
10	Repeat steps 5 to 9 until the restart timing becomes the standard value.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

3. Paper feed loop amount adjustment

If a paper is skewed, adjust the amount of the loop for each tray.

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

Select the [3. Paper loop adj.] on this screen, then the paper feed loop amount adjustment screen will appear.

This adjustment has the following kinds of items. These can be selected by pressing the [NEXT] or [BACK] key.

- Paper feed loop adjustment (All)
- Paper feed loop adjustment (Main body upper tray)
- Paper feed loop adjustment (Main body lower tray (small size)) (Note 1)
- Paper feed loop adjustment (Main body lower tray (large size)) (Note 2)
- Paper feed loop adjustment (DB upper tray (small size)) (Note 3)
- Paper feed loop adjustment (DB upper tray (large size)) (Note 4)
- Paper feed loop adjustment (DB lower tray (small size)) (Note 5)
- Paper feed loop adjustment (DB lower tray (large size)) (Note 6)
- Paper feed loop adjustment (Bypass (ordinary paper))
- Paper feed loop adjustment (Bypass (thick paper))
- Paper feed loop adjustment (Bypass (post card))
- Paper feed loop adjustment (ADU)
- Paper feed loop adjustment (RADF) (single side)

Note 1: B5 only

Note 2: Other than B5

Note 3: Other than A3, B4, 11x17 and 8.5x14.
The loop value is set at -10 when DB is LCT.
Further adjustments are required if the paper is still skewed.
Set the amount of the loop to -8 if the main body is other than 7020/25/30.

Note 4: A3, B4, 11x17 and 8.5x14

Note 5: Other than A3 and 11x17

Note 6: A3 and 11x17

a. Paper feed loop adjustment for engine

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [3. Paper loop adj.] key.
4	[Paper feed loop amount adjustment screen] Press the [NEXT] key until the desired adjustment item appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Select A3 or 11 x 17 size paper, then press the Start print button to print the SGU pattern.
7	Check the skewing condition.
8	Press the # button while pressing the * button to return to the paper feed loop amount adjustment screen.
9	[Paper feed loop amount adjustment screen] If the paper feed loop amount is not correct, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. <Input range> Other than 7025/35/7135: -127 (small) ~ 00 (standard) ~ +127 (large) 7025: -127 (small) ~ 00 (standard) ~ +20 (large) 7035/7135: -100 (small) ~ 00 (standard) ~ +15 (large) 1 step =0.18mm (7020/25/30/35/7135) =0.14mm (Other than 7020/25/30/35/7135)
10	Repeat steps 5 to 9 until the paper feed loop amount becomes appropriate.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

b. Paper feed loop adjustment for RADF

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [3. Paper loop adj.] key.
4	[Paper feed loop amount adjustment screen] Press the [NEXT] key until RADF appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set the ADF adjustment chart on the RADF and select A3 or 11 x 17 size paper, then press the Start print button to make a test copy.
7	Check the condition of skewing in the output copy.
8	Press the # button while pressing the * button to return to the paper feed loop amount adjustment screen.
9	[Paper feed loop amount adjustment screen] If the paper feed loop amount is not correct, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -10 (small) ~ 00 (standard) ~ +10 (large) 1 step = 0.5mm
10	Repeat steps 5 to 9 until the skewing condition is correct.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.



4. Leading edge original erasure adjustment

Adjust the leading edge original erasure (leading edge blank cut) amount.

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

Select the [4. Lead edge timing] on this screen, then the leading edge original erasure amount adjustment screen will appear.

Caution: If you reduce the erasure width, a black line may appear on the leading edge of the paper when you make an enlarged copy.

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [4. Lead edge timing] key.
4	[Leading edge original erasure adjustment screen] Press the [COPY] key.
5	[Basic screen] Set the new pyramid chart on the original glass and select A3 or 11 x 17 size paper, then press the Start print button to make a test copy.
6	Measure the leading edge original erasure amount of the output paper. Standard value: Within 3.0 mm
7	Press the # button while pressing the * button to return to the leading edge original erasure amount adjustment screen.
8	[Leading edge original erasure adjustment screen] If the leading edge original erasure amount is not correct, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -20 (small) ~ +20 (large) 1 step = 0.1mm
9	Repeat steps 4 to 8 until the leading edge original erasure amount becomes the standard value.
10	Press the [RETURN] key to return to the timing adjustment menu screen.

5. Centering adjustment

Adjust the miscentering for paper feed direction.


Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

Select the [5. Centring adj.] on this screen, then the centering adjustment screen will appear.

This adjustment has the following kinds of items. These can be selected by pressing the [NEXT] or [BACK] key.

- Centering adjustment (All)
- Centering adjustment (Main body upper tray, common)
- Centering adjustment (Main body upper tray, small size)
- Centering adjustment (Main body upper tray, large size)
- Centering adjustment (Main body lower tray, common)
- Centering adjustment (Main body lower tray, small size)
- Centering adjustment (Main body lower tray, large size)
- Centering adjustment (DB upper tray, common)
- Centering adjustment (DB upper tray, small size)
- Centering adjustment (DB upper tray, large size)
- Centering adjustment (DB lower tray, common)
- Centering adjustment (DB lower tray, small size)
- Centering adjustment (DB lower tray, large size)
- Centering adjustment (ADU, common)
- Centering adjustment (ADU, small size)
- Centering adjustment (ADU, large size)
- Centering adjustment (By-pass, common)
- Centering adjustment (By-pass, small size)
- Centering adjustment (By-pass, large size)
- Centering adjustment (Platen)
- Centering adjustment (RADF single side)
- Centering adjustment (RADF double side (first side))
- Centering adjustment (RADF double side (second side))


Note 1: **ADU centering adjustment can be taking place for each paper size.**

 **Large size: A3, B4**
Small size: A4R, B5R, 8 x 11R

Note 2: **ADU centering adjustment for each paper is the offset adjustment from the ADU (common).**

a. Each tray centering adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [5. Centring adj.] key.
4	[Centering adjustment screen] Press the [NEXT] key until the desired tray appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set A3 or 11 x 17 size paper in the tray to be adjusted and select this tray. Then press the [START] button to print the SGU pattern .
7	Fold the output (SGU pattern) at the center in the paper feed direction, and check that the left and right lines overlap completely. Standard value: Within ± 2 mm
8	Press the # button while pressing the * button to return to the centering adjustment screen.
9	[Centering adjustment screen] If the miscentering is more than standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -53 (inward direction of the center line) ~ +53 (rear direction of the center line) 1 step = 0.09mm
10	Repeat steps 5 to 9 until the miscentering is within standard value. (Note 1)
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

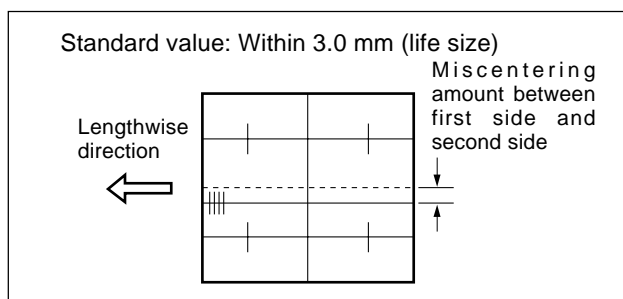
 Note 1: If it can not be adjusted within the specified range, refer to "Other Adjustments".

b. ADU centering adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [5. Centring adj.] key.
4	[Centering adjustment screen] Press the [NEXT] key until "ADU" appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Select copy mode to single side - double side mode, then press the Start print button to print the SGU pattern.
7	Fold the output (SGU pattern) at the center in the paper feed direction, and check that the left and right lines overlap completely. Standard value: First side: Within ± 3 mm Second side: Within ± 3 mm
8	Press the # button while pressing the * button to return to the centering adjustment screen.
9	[Centering adjustment screen] If the miscentering is more than standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -53 (inward direction of the center line) ~ +53 (rear direction of the center line) 1 step = 0.09mm
10	Repeat steps 5 to 9 until the miscentering is within standard value for each paper size. (Note 1)
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.

c. Platen centering adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [5. Centring adj.] key.
4	[Centering adjustment screen] Press the [NEXT] key until "Platen" appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set the new pyramid chart on the original glass and select A3 or 11 x 17 size paper, then press the Start print button to make a test copy.
7	Check the miscentering by comparing the original with the copy. Standard value: Within ± 2 mm
8	Press the # button while pressing the * button to return to the centering adjustment screen.
9	[Centering adjustment screen] If the miscentering is more than standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -74 (inward direction of the center line) ~ +74 (rear direction of the center line) 1 step = 0.04mm
10	Repeat steps 5 to 9 until the miscentering is within standard value.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.



Note 1: If it can not be adjusted within the specified range, refer to "Other Adjustments".

d. RADF centering adjustment


Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [5. Centring adj.] key.
4	[Centering adjustment screen] Press the [NEXT] key until "RADF" appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set the ADF adjustment chart on the RADF and select A3 or 11 x 17 size paper, then press the Start print button to make a copy. * Adjust the "RADF (double side (second side))", then make a test copy in double side - single side mode and check the loop amount of 2nd outputted paper.
7	Check the miscentering by comparing the original with the copy. Standard value: Within ± 3 mm
8	Press the # button while pressing the * button to return to the centering adjustment screen.
9	[Centering adjustment screen] If the miscentering is more than standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -74 (inward direction of the center line) to +74 (rear direction of the center line) 1 step = 0.04mm
10	Repeat steps 5 to 9 until the miscentering is within standard value for each adjustment.
11	To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment.
12	Press the [RETURN] key to return to the timing adjustment menu screen.


6. Image read point adjustment

Adjust the image read point.

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment screen will appear.

Select the [6. Read point adj.] on this screen, then the centering adjustment screen will appear.

 Note: If you shift this value by a large amount, the RADF read density may change.

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [6. Read point adj.] key.
4	[Image read point adjustment screen] Press the [COPY] key.
 5	[Basic screen] Set the new pyramid chart on the platen glass and select A3 or 11 x 17 size paper, then press the Start print button to make a test copy.
6	Make a comparison between original image and test copy image. Then check the image read point. Standard value: 1.0 mm
7	Press the # button while pressing the * button to return to the image read point adjustment screen.
8	[Image read point adjustment screen] If the image read point is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -20 (small) to +20 (large) 1 step = 0.1mm
9	Repeat steps 5 to 9 until the image read point is within standard value.
10	Press the [RETURN] key to return to the timing adjustment menu screen.

7. Resetting standard data

Reset the adjusted set values of timing adjustment to the standard values (factory default data).

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

Select the [7. Factory default] on this screen, then the resetting standard data screen will appear.

This adjustment can reset the following item adjusted set values to the standard values (factory default data). These can be selected by pressing the [NEXT] or [BACK] key.

- Factory default --- Vertical/Horizontal magnification adjustment
- Factory default --- Restart timing adjustment
- Factory default --- Paper feed loop amount adjustment
- Factory default --- Leading edge original erasure adjustment
- Factory default --- Centering adjustment
- Factory default --- Original read point adjustment

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [2. Timing adj.] key.
3	[Timing adjustment menu screen] Press the [7. Factory default] key.
4	[Resetting standard data screen] Press the [NEXT] key until the desired item appears in the message display area.
5	Press the [YES] key to reset the set values to the standard values that have been selected and to return to timing adjustment menu screen. Press the [NO] or [RETURN] key, then the set values are not reset and return to timing adjustment menu screen.
6	To reset another adjustment item, repeat steps 4 to 5.
7	Press the [RETURN] key to return to the timing adjustment menu screen.

△

[4] Running Test Mode

Select the [3. Running mode] in the 36 mode menu screen, then the running test mode menu screen will appear.

The following items can be selected:

1. Running mode 1 (Intermittent copy mode)

Running mode 1 is an intermittent copy mode. In this mode, after the set number of copy operations has been completed, the machine goes into the copy ready status, waits 0.5 sec., then starts the same operation again.

2. Running mode 2 (Paperless intermittent copy mode)

Running mode 2 is a paperless intermittent copy mode. It makes copies at roughly the same timing as for a normal copy, without performing paper detection or jam detection. Also, like running mode 1, after the set number of copy operations has been completed, the machine goes into the copy ready status, waits 0.5 sec., then starts the same operation again.

3. Running mode 3 (Paperless mode)

Running mode 3 is a paperless mode. It makes copies at roughly the same timing as for a normal copy, without performing paper detection or jam detection.

4. Running mode 4 (Paperless/endless mode)


Running mode 4 is a paperless/endless mode. It automatically sets the copy quantity to infinity. Also, like running mode 3, it makes copies at roughly the same timing as for a normal copy, without performing paper detection or jam detection.

5. Running mode 5


Running mode 5 is process running mode. It consists of running mode 4 plus an operation consisting of an optics each-time scan and an automatic paper feed tray change.

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [3. Running mode] key.
3	[Running test mode menu screen] Press the key according to the desired running mode. (Mode 1 to Mode 5)
4	[Basic screen] Press the Start print button.
5	After checking the copy operation, press the Stop/Clear button to stop copy operation.
6	Press the # button while pressing the * button to return to the running mode menu screen.
7	To perform another running test mode, repeat steps 3 to 6.
8	Press the [RETURN] key to return to 36 mode menu screen.

[5] Test Pattern Output

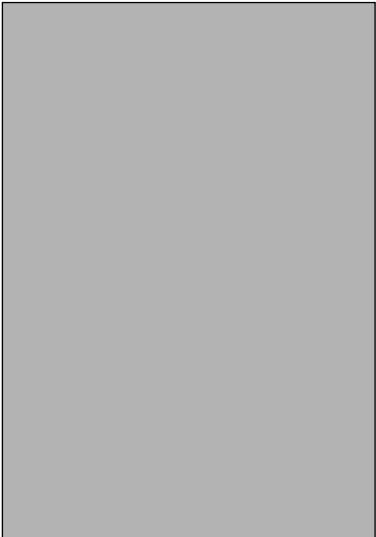
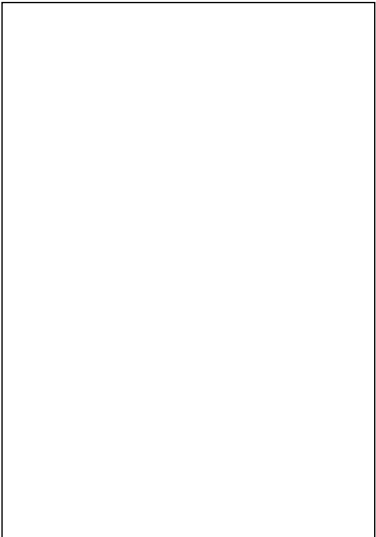
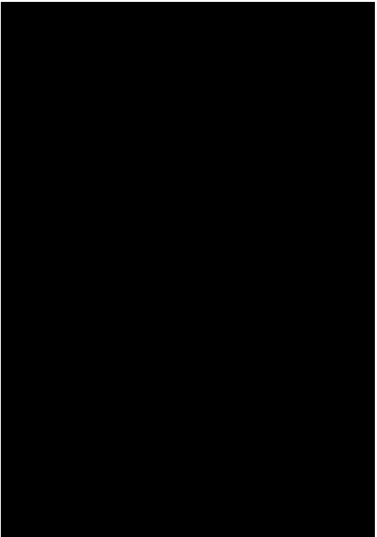
 Perform an output check of the various internal patterns.

Select the [4. Test pattern] in the 36 mode menu screen, then the test pattern output screen will appear.

 Note: Do not output patterns that are not particularly specified.

No.1	Overall halftone
No.2	Gray scale pattern
No.49	
No.11	Writing system check
No.16	Linearity evaluation pattern

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [4. Test pattern] key.
3	[Test pattern output screen] Enter a pattern number to be output from numeric key.
4	Press the [SET] key. Press the [COPY] key.
5	[Basic screen] Press the Start print button to output a test pattern.
6	Press the # button while pressing the * button to return to the test pattern output screen.
7	To output a different test pattern, repeat steps 3 to 6.
8	Press the [RETURN] key to return to the 36 mode menu screen.

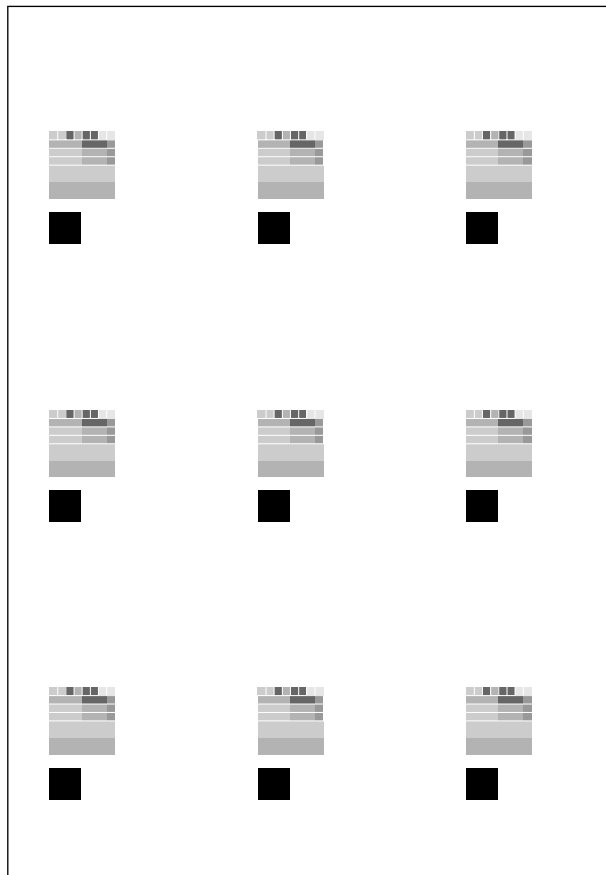
No. 1	Overall halftone
<p>[Check Items]</p> <ul style="list-style-type: none">• When the density is set to 70 (halftone) If white stripes, black stripes, or uneven density can be seen, locate abnormality in either scanner system or printer system.• When the density is set to 0 (white) If the test pattern is fogged, locate abnormality in either scanner system or printer system.• When the density is set to 255 (black) If the density is light, locate abnormality in either scanner system or printer system. <p>* For information about setting the density, refer to “[6] Test pattern density adjustment” below.</p>	
<p>Test Pattern</p> <div></div> <div></div> <div></div>	

No. 11 **Beam misalignment check**

[Check Items]

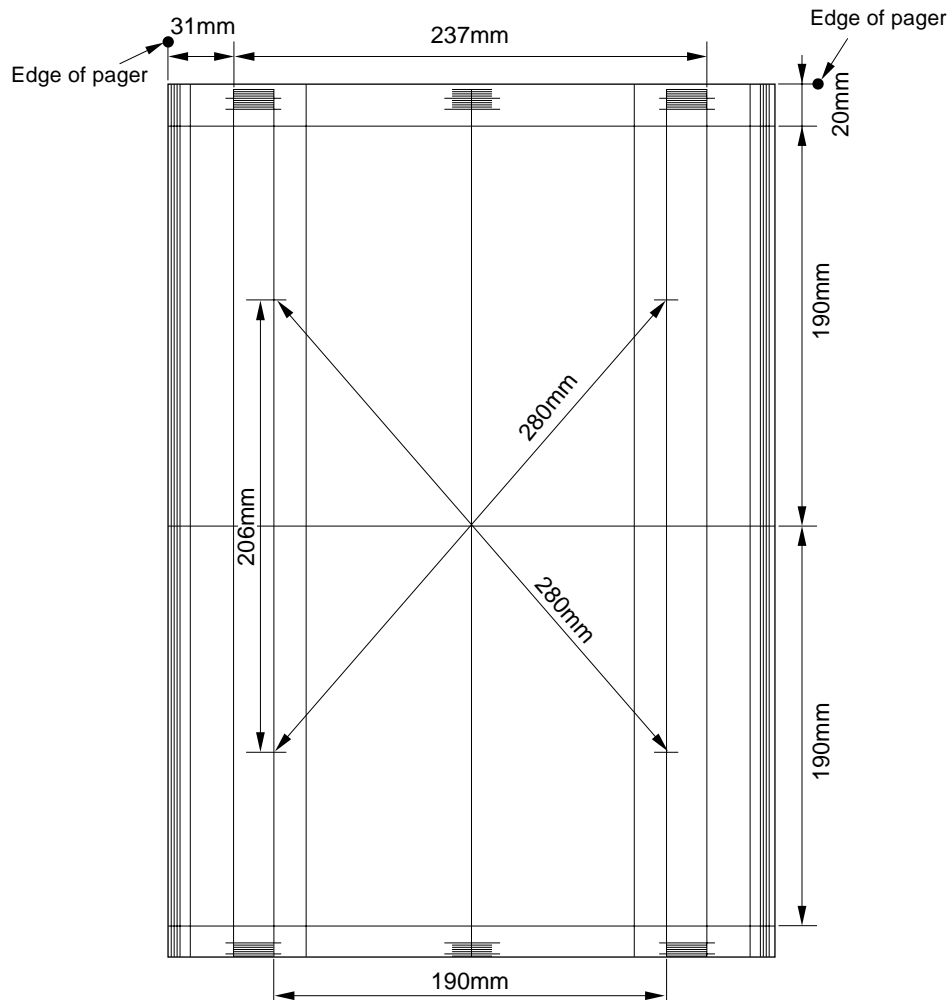
Check the writing system abnormality (condition of resolution, reproducibility of independence point and so on).

Test Pattern



**No. 16 Linearity evaluation pattern****[Check Items]**

Judge from this test pattern which of the scanner system and the printer system is abnormal. Items that can be checked include horizontal magnification, vertical magnification, tilt image, and leading edge timing of the printer system. If the copy image is defective despite no abnormality being visible on the test pattern, the scanner system is defective.

Test Pattern

[6] Test Pattern Density Adjustment

Density of respective patterns is adjusted in the following procedure.

Select the [5. Density Adj.] in the 36 mode menu screen, then the print density adjustment menu screen will appear.

Density adjustment menu

1. Test pattern density adjustment

1. Test pattern density adjustment

Adjustment of the density of the test pattern.

Select the [5. Density Adj.] in the 36 mode menu screen, then the print density adjustment menu screen will appear.

Select the [1. Print density adj. (1)] in the print density adjustment menu screen, then the print density adjustment screen will appear.

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [5. Density adj.] key.
3	[Print density adjustment menu screen] Press the [1. Print density adj. (1)] Key.
4	[Print density adjustment screen] Press the key according to the desired test pattern to be adjusted. (No.01, No.06, No.12 and No.17)
5	Enter a desired density by a numeric value from the numeric keys, then press the [SET] key. Input range : 000 (light) to +255 (dark).
6	Press the [COPY] key.
7	[Basic screen] Press the start print button to output a test pattern.
8	Check the density of the output test pattern.
9	Press the # button while pressing the * button to return to the print density adjustment screen.
10	To adjust another test pattern, repeat steps 4 to 9.
11	Press the [RETURN] key to return to print density adjustment menu screen.

[7] Image Quality Adjustment

This function adjusts the image quality adjustment.

- (1) Select the [6. Image quality adj] in the 36 mode menu screen, then the image quality adjustment screen will appear.

Image quality adjustment menu

1. RADF scan density adj.

- 3 2. Non-image area erase check.

1. RADF scanning density adjustment

When the slit glass is replaced, adjust the density when reading the original with the RADF.

Note 1: The mechanical adjustment, optical adjustment and electrical adjustment of the scanner are completed.

Note 2: Make sure that the slit glass is cleaned.

Note 3: Make sure that the white chart is not dirty or folded.

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [6. Image quality adj] key.
3	[Image quality adjustment screen] Press the [1. RADF Scan density adj.] key.
4	[RADF Scanning density adjustment screen] Set the white chart on the RADF (Note 1).
5	Press the [START] key.
6	Check that "Completed" appears in the message display area.
7	If "ERROR" appears in the message display area, then repeat steps 4 and 5 (Note 2).
8	Press the [RETURN] key to return to the image quality adjustment screen.

Note 1: Be sure to set the white chart in A4 direction. If it is set in A4R direction, appropriate adjustment is not available.

Note 2: If "ERROR" is displayed repeatedly, there is a possibility of a defect in the adjustment of the scanner machine, optics, or electric-related parts.

2. Non-image area erase check (Other than 7020/25/30)

Carry out a survey of the installation environment after the machine is newly installed or moved to a different location.

Be careful of the following points when performing this adjustment.

- * Be sure that the RADF is fully open.
- * Do not place anything on the platen.
- * The platen glass must not be dirty.

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [6. Image quality adj] key.
3	[Image quality adjustment screen] Press the [2. Non-image Area Erase check] key.
4	[Non-image area erase check screen] Press the [START] key.
5	Confirm that "Operation OK" appears on the message display. If "Operation NG" appears, carry out non-original erasure installation survey once again while referring to "Trouble and Remedy" below.
6	Press the [RETURN] key to return to the image quality adjustment screen.

Trouble and Remedy

Warning-1

Adjust for Extreme Brightness. In many cases, the Non-image-area-erase function will not operate correctly. Please confirm "adjustment" - "36 mode" columns of the Service Hand book.

Remedy 1

If you use the non-original erasure function, or copy originals that have a dark background using the non-original erasure method, relatively infrequently, use the machine in its present installation environment. If, however, you copy originals that have a dark background fairly frequently, re-install the machine in a dark location and facing a direction such that external light does not get into it, then carry out the

Warning-2

A datum with potential not to function non-image-area-erase is found. Please confirm "adjustment" - "36 mode" columns of the Service Hand book.

Remedy 2

If you use the non-original erasure function relatively infrequently, you can use the machine in its present installation environment. If, however, you copy originals that have a dark background fairly frequently, re-install the machine in a dark location and facing a direction such that external light does not get into it, then carry out the installation survey once again. In this case, if there is a bright light source, such as a fluorescent light, directly above the machine, reconsider the installation location and direction, or take steps to block off the light from the light source (by using a cover, for example), then carry out the installation survey once again.

[8] List Print

Select the [7. List Print] from the 36 mode menu screen to display the list print menu screen.

You can select following menu options from this screen.

1. Test pattern.
2. Font pattern.
3. Memory dump list.
4. Management list.
5. Adjustment list.
6. Log list. (1)
7. Log list. (2)

3 8. Analysing list (Other than 7020/25/30/35)

Note: Don't try to touch a mode not mentioned.

1. Test pattern

This option is used to output a grid pattern consisted of line width of 2 dots and line-to-line space of 500 dots. From this pattern, you can check the write system for normal performance.

2. Font pattern

This option outputs the font list built in the engine.

3. Memory dump list

This option is used to dump out data (in HEX and ASCII format) after the address specified in ERDH memory (this list is referenced for troubleshooting).

4. Management list

This option outputs the machine status, counter information and history of jam and so on.

5. Adjustment list

This option outputs a list of current adjusting values in the 25/36 mode.

6. Log list (1)

The data from the memory is dumped in the HEX format and the ASCII format. (for analyzing trouble)
Normally not used.

3 **Note:** In the case of 7020/25/30/35, the key No. of log list (1) is "7".

7. Log list (2)

The data from the memory is dumped in the HEX format and the ASCII format. (for analyzing trouble)
Normally not used.

3 **Note:** In the case of 7020/25/30/35, the key No. of log list (2) is "8".

3 **8. Analysing list**

Outputs the necessary list prints together if trouble occurs in the field. (for analysing trouble)
Normally not used. (Other than 7020/25/30/35)

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [7. List print] key.
3	[List print menu screen] Press the key corresponding to the desired menu option.
4	[List print screen] When outputting the memory dump list, specify the start and end addresses (Note).
5	Press the [Copy] key.
6	[Basic screen] Press the [START] button to output the list.
7	Press the # button while depressing the * button to return to the list print screen.
8	When outputting another list, repeat above steps 3 to 7.
9	Press the [RETURN] key to return to the list print menu screen.

Note: The memory dump list is dump output in both the HEX and ASCII format.

[9] Counter Clear

The counter must be cleared whenever the drum or fixing parts/unit is replaced.

Select the [8. Counter Clear] from the 36 mode menu screen to display the counter clear screen.

Following menu options are available from this screen.

1. Drum unit related counter (Drum counter).

Note: Reset the drum counter after the charge grid data to the standard values (factory default data).

2. Fixing counter (fixing web counter).

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [13. Counter clear] key.
3	[Counter clear screen] Press the key corresponding to the item to be cleared.
4	Message in the message display area will confirm if you really want to clear the item. Press the [YES] key. When the item is cleared, the counter clear screen will be restored.
5	When clearing another counter, repeat above steps 3 and 4.
6	Press the [RETURN] key to return to the 36 mode menu screen.

⚠ The operation here is the same as [13. Counter clear] on the 25 mode menu screen. (Other than 7020/25/30/35)

[10] Adjustment of RADF

Adjustments of RADF are performed in the following procedures. For the adjustment, A3 or 11 x 17 copy paper should be used.

- (1) Select the [9. RADF adj.] from the 36 mode menu screen to display the RADF adjustment menu.

RADF adjustment menu

1. Vertical/horizontal magnification (Drum clock) adjustment.
 2. Restart timing adjustment.
 3. Paper feed loop amount adjustment.
 4. Centering adjustment.
 5. RADF scanning density adjustment.
- (2) Press the key corresponding to the desired item. The screen corresponding to the selected item will appear.
 - (3) Using the [Next] and [BACK] keys, select the item to be adjusted. The selected item will be indicated in the message display area on the screen.
 - (4) Enter a desired value from the numeric keys on the screen, then press the [SET] key to validate your entry.
 - (5) Turn on the basic screen by pressing the [COPY] key, then make a test copy from the basic screen.
 - (6) Press the # button while depressing the * button to return to the desired adjustment screen.
 - (7) If the output does not conform to the standard, enter a desired value again from the numeric keys, then make a test copy. When the output satisfies the standard, proceed to adjustment of the next item.
 - (8) When the adjustment is complete, press the [RETURN] key to return to the timing adjustment screen.

1. Adjustment of horizontal/vertical magnification (Drum clock)

- (1) Select the [9. RADF adj.] from the 36 mode menu screen to display the RADF adjustment menu. Select [1. Drum clock adj.] from this screen and the magnification screen will appear.

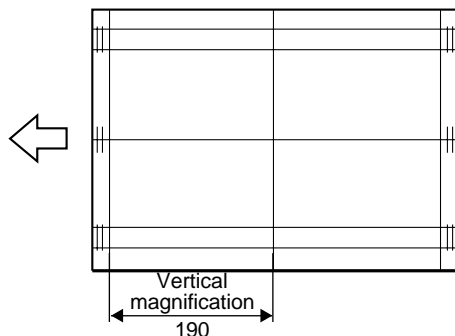
Using the [NEXT] and [BACK] will allow you to select the following items.

- Vertical magnification adjustment --- RADF (single side, 50%).
 - Vertical magnification adjustment --- RADF (single side, 100%).
 - Vertical magnification adjustment --- RADF (single side, 200%).
 - Vertical magnification adjustment --- RADF (single side, 400%).
 - Vertical magnification adjustment --- RADF (double side, 50%).
 - Vertical magnification adjustment --- RADF (double side, 100%).
 - Vertical magnification adjustment --- RADF (double side, 200%).
 - Vertical magnification adjustment --- RADF (double side, 400%).
- (2) Enter a desired value from the numeric keys on the screen, then press the [SET] key to validate your entry.
 - (3) Turn on the Basic Screen by pressing the [COPY] key, then make a test copy from the basic screen.
 - (4) Press the # button while depressing the * button to return to the magnification adjustment screen.
 - (5) If the output does not conform to the standard, enter a desired value again from the numeric keys, then make a test copy.

When the output satisfies the standard, proceed to adjustment of the next item.

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [9. RADF adj.] key.
3	[RADF adjustment menu screen] Press the [1. Drum clock adj.] key.
4	[Magnification adjustment screen] Press the [NEXT] key until the desired adjustment item appears.
5	Press the [COPY] key.
6	[Basic screen] Set the ADF adjustment chart on RADF, then select an A3 or 11 x 17 copy paper. Then press the start button to make a copy.
7	Measure vertical magnification of the output. Standard value: -0.5% maximum (with 1.0 magnification). -1.0 mm maximum per 190 mm.
8	Press the # button while depressing the * button to return to the magnification adjustment screen.
9	[Magnification adjustment screen] If the vertical magnification does not comply with the standard value, enter the value from the numeric keys, then press the [SET] key to validate your entry. Input range: -20 (reduce the magnification) to $+20$ (increase the magnification) 1 step = 0.1
10	Repeat above steps 5 to 9 until the vertical magnification meets the standard value.
11	You can proceed to adjustment of another item using the [NEXT] and [BACK] keys.
12	Press the [RETURN] key to return to the RADF adjustment menu screen.

Standard value: $\pm 0.5\%$ maximum (in 1.0 magnification)
 ± 1 mm maximum per 200 mm



2. Adjustment of restart timing

Use the following procedure to adjust the RADF restart timing.


At the 36 mode menu screen, select [9. RADF adj.] to open the RADF adjustment menu. At the RADF adjustment menu, select [2. Restart timing]. This moves you to the screen you use to adjust the restart timing.

You can use the [NEXT] and [BACK] buttons to select the following adjustments.

- Restart timing adjustment --- RADF (single side)
- Restart timing adjustment --- RADF (double side (first side))
- Restart timing adjustment --- RADF (double side (second side))

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [9. RADF adj.] key.
3	[RADF adjustment menu screen] Press the [2. Restart Timing] key.
4	[Re-start timing adjustment screen] Press the [NEXT] key until the desired adjustment item appears.
5	Press the [COPY] key.
6	[Basic screen] Set the ADF adjustment chart on RADF, then select an A3 or 11 x 17 copy paper. Then press the start button to make a copy. * When RADF (double side (second side)) is selected, make copies from double side - single side mode, and use the second copy for the adjustment.
7	Check the output for the restart timing. Standard value: -3.0 mm maximum (Life size).
8	Press the # button while depressing the * button to return to the restart timing adjustment screen.
9	[Restart timing adjustment screen] When the restart timing does not comply with the standard value, enter the value from the numeric keys, then press the [SET] key to validate it. Input range: -50 (delays the timing) to +50 (advances the timing) 1 step = 0.1 mm
10	Repeat above steps 5 to 9 until the re-start timing meets the standard value.
11	You can select another item for the adjustment from the [NEXT] and [BACK] keys.
12	Press the [RETURN] key to return to the RADF adjustment menu screen.

3. Paper feed loop adjustment

 Adjustment of the RADF loop amount is done in the following procedures.

Select the [9. RADF adj.] from the 36 mode menu screen to display the RADF adjustment menu screen. Select the [3. Paper loop adj.] from this screen to display the paper feed loop adjustment screen.

Using the [NEXT] and [BACK] keys, you can select the following item from this screen.

- Paper loop adjustment --- RADF (single side)

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [9. RADF adj.] key.
3	[RADF adjustment menu screen] Press the [3. Paper Loop adj.] key.
4	[Paper feed loop adjustment screen] Press the [COPY] key.
5	[Basic screen] Set the ADF adjustment chart on RADF, then select an A3 or 11 x 17 copy paper. Then press the start button to make a copy.
6	Check paper feed loop volume of the output.
7	Press the # button while depressing the * button to return to the Paper Feed Loop Volume Adjustment Screen.
8	[Paper feed loop volume adjustment screen] If the paper feed loop amount is inappropriate, enter a desired value from the numeric keys, then press the [SET] key to validate it. Input range: -10 (decrease) through 00 (standard) up to +10 (increase) 1 step = 0.5 mm
9	Repeat above steps 4 to 8 until an appropriate paper feed loop volume is obtained.
10	You can proceed to adjustment of another item from the [NEXT] and [BACK] keys.
11	Press the [RETURN] key to return to the RADF adjustment menu screen.



4. Centering adjustment

⚠ Centering adjustment on RADF in feed direction is done in the following procedures.

Select the [9. RADF adj.] from the 36 mode menu screen to display the timing adjustment menu screen. Select the [4. Centring adj.] from this screen to display the centering adjustment screen.

You can select the following adjustment from the [NEXT] and [BACK] keys.

- Centering adjustment --- RADF (single side).
- Centering adjustment --- RADF (double side (first side)).
- Centering adjustment --- RADF (double side (second side)).

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [9. RADF adj.] key.
3	[RADF adjustment menu screen] Press the [4. Centring adj.] key.
4	[Centering adjustment screen] Press the [NEXT] key until the desired item appears in the message display area.
5	Press the [COPY] key.
6	[Basic screen] Set the ADF adjustment chart on RADF, then select A3 or 11 x 17 for the copy paper. Then, press the start button to make copies. * When the RADF (double side (second side)) is selected, make copies from double side - single side mode, and use the second for the adjustment.
7	Compare skew of the copy against that of the original. Standard value: -3 mm maximum.
8	Press the # button while depressing the * button to return to the centering adjustment screen.
9	[Centering adjustment screen] If the skew volume does not conform to the standard value, enter a desired value from the numeric keys, then press the [SET] key to validate it. Input range: -74 (in the front side direction of the center line) through 00 (in the back side direction of the center line) up to +74 (increase) 1 step = 0.04 mm
10	Repeat above steps 5 to 9 until the skew meets the standard value.
11	You can proceed to adjustment of another item from the [NEXT] and [BACK] keys.
12	Press the [RETURN] key to return to the RADF adjustment menu screen.

5. RADF scanning density adjustment

Whenever the slit glass is replaced, its density in reading an original must be adjusted in the following manner.

Note 1: Before starting this operation, every adjustment must be completed for the scanner's mechanical, optical and electric system.

Note 2: Make sure that the slit glass must be cleaned.

Note 3: Make sure that the white chart is not stained or folded.

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [9. RADF adj.] key.
3	[RADF adjustment menu screen] Press the [5. RADF Scan density adj.] key.
4	[RADF scanner density adjustment screen] Set the white chart on RADF (Note 1).
5	Press the [START] key.
6	Make sure that the message Completed is indicated in the message display area.
7	If the message Error appears in the message display area, repeat above steps 4 and 5 (Note 2).
8	Press the [RETURN] key to return to the RADF adjustment menu screen.

Note 1: Be sure to set the white chart in A4 direction. If it is set in A4R direction, appropriate adjustment is not available.

Note 2: If "ERROR" is displayed repeatedly, there is a possibility of a defect in the adjustment of the scanner machine, optics, or electric-related parts.



[11] FNS Adjustment

Positional adjustment of the finisher alignment plate is done in the following procedures. This adjustment is required when papers exited from the finisher are irregular in size.

1. FNS alignment plate position adjustment (back side)
2. FNS alignment plate position adjustment (front side)

Adjustment is done for each of the following paper sizes.

- 11 x 17 (8.5 x 11)
- A3 (A4)
- B4 (B5)
- 8.5 x 14 (8.5 x 11R, 5.5 x 8.5R)
- A4R (A5)
- B5R
- 5.5 x 8.5R
- A5R
- F4
- 8K
- 16K
- 16KR

Step	Operation procedure
1	Enter the 36 mode.
2	[36 mode menu screen] Press the [10. FNS adj.] key.
3	[FNS adjustment menu screen] Press the key corresponding to the matching plate to be adjusted.
4	[FNS matching plate position adjustment screen] Press the [SET] key until the target paper size of the adjustment is displayed at top of the numeric keys.
5	Enter desired value from the numeric keys on the screen, then press the [SET] key to validate your entry.
6	Press the [COPY] key to display the Basic Screen, then make test copies from this screen.
7	Press the # button while depressing the * button to return to the FNS adjustment screen.
8	[FNS adjustment screen] When the output does not conform to the standard value, enter an adjusting value from the numeric keys, then press the [SET] key to validate your entry. Input range: —10 to +10 1 step = 0.2 mm
9	When proceeding to adjustment of another paper size, select it from the [NEXT] and [BACK] keys, then implement necessary adjustment repeating above steps 4 to 7. When the adjustment is complete, press the
10	[RETURN] key to return to the FNS adjustment menu screen.



Management list	P.1
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[Description Items]

- Serial number indication.
- ROM version indication.
Version of flash ROMs.
- Copy count (data collection 1).
Total count and count during the specified period by mode.
- Checking counters.
- Copy count by paper size (data collection 2).
Total count and count during the specified period by paper size.

Management list

Number of page

Machine name
Machine information

Serial number

ROM version

Copy count
(Scanner system)

Copy count
(Printer system)

Communication
count

Counter check

Copy count of each
paper size

Management list				P.1 08/06/2000 18:47 29E0001 T0:9158 ROM Ver.00 000e	
Machine Name:7020					
Machine information					
DESTINATION	EJ	Date count data	06/12/1999 16:46		
Total count	Start date	TOTAL COUNT	9158		
Fax number					
Serial number					
Main body	29E0001	Option trav	19000007		
RAOF	19L00002	Finisher	02 0		
Printer		Fax control	19F00005		
ROM version					
System control	00 003e 0411 801	Finisher	15 810		
Inside control	22	Printer	02 0		
Panel	91	Fax control	11 0000		
Optical control	55 811				
RAOF					
Scan Count					
Item		TOTAL COUNT	By period		
ADF mode		3466	3466		
RAOF mode		1169	1169		
Mixed or i-line ADF mode		18	18		
Mixed or i-line RAOF mode		-	-		
Print Count					
Item		TOTAL COUNT	By period		
Total copy count		6296	6296		
Print count		592	592		
Fax count		328	328		
Comm Count					
Item		TOTAL COUNT	-		
FAX Tx count		148	-		
Total pages sent		171	-		
FAX Rx count		76	-		
Total pages received		84	-		
Count					
Item		Setting			
PM COUNT/CYCLE setting		3957 / 100000	18/01/2000		
DRUM COUNT			8012		
DEVELOPMENT COUNT			8012		
Fixing unit counter			7476		
Copy count of each paper size					
Paper size	Total	Period	Paper size	Total	Period
A3	875	875	B4	119	119
A4	6906	6906	B5	172	172
A5	59	59	F4	-	-
Special	25	25			

Output date, main body
serial number, and total
copy count, ROM version

1

Management list

P.2

[Description Items]

(Printed only when the FAX or printer option is installed.)

- Print count for each paper size
- FAX count for each paper size

* The machine management list page Nos. differ according to the option installation condition, and so on.

Management list

Number of page (*)

Print count for each paper size

FAX count for each paper size

Output date, main body serial number, and total copy count, ROM version

Management list						P.2	
						08/05/2000 19:47	
						294610001	
						TC:2153	
						ROM Ver.00 000e	
Print count of each paper size							
Paper size	Total	Period	Paper size	Total	Period		
A3	6	6	B4	-	-		
A4	328	328	B5	-	-		
A5	1	1	F4	-	-		
Special	-	-					
Fax count of each paper size							
Paper size	Total	Period	Paper size	Total	Period		
A3	115	115	B4	-	-		
A4	147	147	B5	-	-		
A5	-	-	F4	-	-		
Special	-	-					



Management list	P.3
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[Description Items]

- F code count (data collection 4).
Total count and count during the specified periods.
- JAM code count (data collection 2).
Total count and count during the specified period.

Management list	Number of page
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F code count

Management list											
										P.3	
										08/05/2003 18:47	
										28E00001	
										TC:9160	
										ROM Ver.00 003e	
Total Service calls by F code											
No.	SC code	Total	Period	No.	SC code	Total	Period	No.	SC code	Total	Period
001	F10-01	-	-	002	F10-02	-	-	003	F10-09	-	-
004	F18-01	-	-	005	F18-02	-	-	006	F18-03	-	-
007	F18-04	-	-	008	F28-01	1	1	009	F28-01	-	-
010	F28-02	-	-	011	F28-03	-	-	012	F28-01	-	-
013	F34-02	-	-	014	F36-01	-	-	015	F36-02	-	-
016	F36-03	-	-	017	F36-04	1	1	018	F36-05	-	-
019	F36-06	-	-	020	F36-07	-	-	021	F36-08	-	-
022	F36-09	-	-	023	F36-10	-	-	024	F36-01	-	-
025	F36-02	1	1	026	F36-03	-	-	027	F37-01	-	-
028	F40-01	-	-	029	F40-03	-	-	030	F41-01	4	4
031	F46-01	-	-	032	F46-08	-	-	033	F46-10	-	-
034	F46-11	5	5	035	F49-02	-	-	036	F49-04	-	-
037	F49-06	-	-	038	F51-04	-	-	039	F51-05	-	-
040	F51-06	14	14	041	F52-01	-	-	042	F52-02	-	-
043	E56-01	-	-	044	E56-02	1	1	045	E56-03	-	-
046	E56-04	-	-	047	E56-05	-	-	048	E56-06	-	-
049	E56-07	-	-	050	E56-08	-	-	051	E56-09	-	-
052	E56-10	-	-	053	F56-11	-	-	054	F60-01	-	-
055	F60-03	-	-	056	F60-11	-	-	057	F67-03	-	-
058	F70-01	-	-	059	F70-03	-	-	060	F70-11	1	1
061	F77-02	-	-	062	F77-03	-	-	063	F77-05	-	-
064	F77-06	-	-	065	F77-11	-	-	066	F77-16	-	-
067	F80-01	-	-	068	F80-02	-	-	069	F80-03	-	-
070	F80-04	-	-	071	F80-05	-	-	072	F81-01	-	-
073	F81-02	-	-	074	F81-03	-	-	075	F88-01	-	-
076	E89-01	3	3	077	E89-02	-	-	078	E89-03	-	-
079	E89-04	-	-	080	E89-06	-	-	081	E89-06	3	3
082	E97-01	-	-	083	F92-05	-	-	084	F92-02	-	-
085	F96-03	-	-	086	E96-04	1	1	087	F96-06	-	-
088	E96-08	2	2	089	E96-09	1	1	090	E96-00	57	57
091	E96-01	12	12	092	E96-10	-	-	093	E96-10	-	-
094	F22-01	-	-	095	F22-01	-	-	096	F28-02	-	-
097	F28-03	15	15	098	F28-04	7	7	099	F49-01	-	-
100	F52-03	10	10								

Total Jams by section											
No.	J code	Total	Period	No.	J code	Total	Period	No.	J code	Total	Period
001	J10-00	6	6	002	J11-00	-	-	003	J12-00	-	-
004	J15-00	1	1	005	J14-00	1	1	006	J15-00	2	2
007	-	-	-	008	-	-	-	009	-	-	-
010	J30-00	43	43	011	J31-00	1	1	012	J32-00	3	3
013	-	-	-	014	J32-00	-	-	015	J32-02	3	3
016	J39-00	1	1	017	-	-	-	018	J37-02	8	8
019	-	-	-	020	J37-01	2	2	021	J37-02	8	8
022	J32-00	-	-	023	-	-	-	024	-	-	-
025	J31-00	-	-	026	J31-01	-	-	027	J32-00	4	4
028	J32-01	-	-	029	J32-02	-	-	030	J32-03	2	2
031	J32-04	-	-	032	J32-05	-	-	033	J33-00	2	2
034	J33-01	-	-	035	J33-02	-	-	036	J33-03	-	-
037	J33-04	1	1	038	J33-05	-	-	039	J33-06	-	-
040	J33-07	-	-	041	-	-	-	042	-	-	-
043	J72-16	1	1	044	J72-17	3	3	045	J72-19	-	-
046	J72-21	-	-	047	J72-23	-	-	048	J72-61	-	-
049	-	-	-								

JAM code count

Number of page

Output date, main body serial number, and total copy count, ROM version



Management list

P.4

[Description Items]

- Latest SC (F/E code) history.

List information about the last 50 service calls (F/E codes). For each call, indicates the following: date and time of occurrence, error code, total copy count, and ROM version.

Management list

Number of page

Management list

P.4
08/05/2000 18:48
28E0001
10:5161
ROM Ver.00 000e

Latest SC history

History of SC

Output date, main body serial number, and total copy count, ROM version

No.	Date	Err code	Total	System	Inase	RDF	Finisher	Printer	Fax control
01	00/02/24 20:59	F51-06	8712	00	19-01	12- B11	12- B10	02-0	0A
02	00/02/24 21:21	F51-06	8728	00	19-01	12- B11	12- B10	02-0	0A
03	00/02/24 21:52	F51-16	8723	00	19-01	12- B11	12- B10	02-0	0A
04	00/02/28 08:30	F46-11	8760	00	19-01	12- B11	12- B10	02-0	0A
05	00/02/28 08:30	F46-11	8760	00	19-01	12- B11	12- B10	02-0	0A
06	00/02/28 08:32	F46-11	8760	00	19-01	12- B11	12- B10	02-0	0A
07	00/02/28 08:33	F46-11	8760	00	19-01	12	12- B10	02-0	0A
08	00/02/28 08:38	F46-11	8760	00	19-01	12	12- B10	02-0	0A
09	00/03/27 12:07	E96-90	8786	00	14-00	12- B11		02-0	0A
10	00/03/27 19:56	E96-90	8793	00	18-08	12- B11		02-0	11-1000
11	00/03/28 18:49	E96-90	8812	00	18-08	12- B11		02-0	11-1000
12	00/03/29 15:57	E96-90	8814	00	18-08	12- B11		02-0	11-1000
13	00/03/30 10:02	E96-90	8814	00	18-08	12- B11		02-0	11-1000
14	00/03/30 17:29	E96-90	8814	00	18-08	12- B11		02-0	11-1000
15	00/04/10 19:56	E96-90	8826	00	18-08	12- B11		02-0	11-1000
16	00/04/10 14:47	E96-90	8826	00	18-08	12- B11		02-0	11-1000
17	00/04/11 20:21	E96-90	8828	00	18-08	14- B11		02-0	11-1000
18	00/04/11 20:27	E96-90	8828	00	18-08			02-0	11-1000
19	00/04/11 21:21	E96-90	8828	00	22-			02-0	11-1000
20	00/04/11 21:22	E96-90	8828	00	22-			02-0	11-1000
21	00/04/11 21:24	E96-90	8828	00	22-			02-0	11-1000
22	00/04/11 21:25	E96-90	8828	00	22-			02-0	11-1000
23	00/04/11 21:26	E96-90	8828	00	22-			02-0	11-1000
24	00/04/11 21:28	E96-90	8828	00	22-			02-0	11-1000
25	00/04/12 08:23	E96-90	8838	00	22-			02-0	11-1000
26	00/04/12 08:34	E96-90	8838	00	22-			02-0	11-1000
27	00/04/12 08:42	E96-90	8838	00	22-			02-0	11-1000
28	00/04/12 10:03	E96-90	8840	00	22-			02-0	11-1000
29	00/04/12 14:27	E96-90	8840	00	22-			02-0	11-1000
30	00/04/12 16:54	E96-90	8840	00	22-		15- B10	02-0	11-1000
31	00/04/12 16:57	E96-90	8840	00	22-		15- B10	02-0	11-1000
32	00/04/12 17:01	E96-90	8840	00	22-		15- B10	02-0	11-1000
33	00/04/13 08:31	E96-90	8840	00	22-		15- B10	02-0	11-1000
34	00/04/13 08:32	E96-90	8840	00	22-		15- B10	02-0	11-1000
35	00/04/13 08:42	E96-90	8840	00	22-		15- B10	02-0	11-1000
36	00/04/15 15:29	E96-90	8853	00	22-	19- B11		04	11-1000
37	00/04/17 12:57	E96-90	8853	00	22-	19- B11		04	11-1000
38	00/04/18 07:44	E96-90	8863	00	22-	19- B11		02-0	11-1000
39	00/04/18 14:24	E96-90	8863	00	22-	19- B11		02-0	11-1000
40	00/04/18 07:47	E96-90	8868	00	22-	19- B11		02-0	11-1000
41	00/04/20 15:22	E96-90	8860	00	22-	19- B11		02-0	11-1000
42	00/04/20 18:24	E96-90	8860	00	22-	19- B11		02-0	11-1000
43	00/04/21 15:13	E96-90	9068	00	22-	19- B11	15- B10	02-0	11-1000
44	00/04/21 15:14	E96-90	9068	00	22-	19- B11	15- B10	02-0	11-1000
45	00/04/26 10:11	E96-90	9067	00	22-	19- B11	15- B10	02-0	11-1000
46	00/04/26 12:04	E96-90	9078	00	22-	19- B11	15- B10	02-0	11-1000
47	00/04/26 14:01	E96-90	9158	00	22-	19- B11	15- B10	02-0	11-1000
48	00/05/01 15:07	E96-90	9158	00	22-	19- B11	15- B10	02-0	11-1000
49	00/05/08 10:16	E96-90	9158	00	22-	19- B11	15- B10	02-0	11-1000
50	00/05/08 19:45	E96-90	9158	00	22-	19	15- B10	02-0	11-1000



Management list	P.5
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[Description Items]

- Latest JAM history.

The latest 100 jams are listed with the information on the date occurred, respective JAM codes, total copy count, and tray and paper sizes.

Management list	P.5
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Number of page

Latest JAM history

Management list											
History of 100 jams											
No.	Date	J code	Total	Tray	P. size	No.	Date	J code	Total	Tray	P. size
001	12/06 09:52	J10-00	861	Bypass	A4R	002	12/15 18:30	J30-00	1169	TRAY1	A4
002	12/16 09:38	J62-00	-	TRAY1	A4	004	12/16 09:39	J62-00	-	TRAY1	A4
005	12/16 09:40	J62-00	4	TRAY1	A4	006	12/17 15:15	J14-00	1622	TRAY4	A4
007	12/17 15:15	J15-00	1622	TRAYS	F4	008	12/17 15:26	J30-00	1624	TRAY1	B5
008	12/20 16:40	J30-00	1791	TRAY2	A4R	010	12/24 08:28	J62-02	1645	TRAY4	A3
011	12/24 15:43	J30-00	1659	TRAY2	F4	012	12/27 10:04	J30-00	1659	TRAY1	A5R
013	12/27 12:52	J67-01	1660	TRAY4	A3	014	12/27 16:30	J30-00	3202	TRAY2	F4
015	12/27 16:31	J30-00	3202	TRAY2	F4	016	12/27 16:31	J30-00	3202	TRAY1	A4
017	12/27 16:48	J30-00	3207	TRAY2	F4	018	12/27 16:49	J30-00	3207	TRAY2	F4
019	12/27 16:50	J30-00	3207	TRAY2	F4	020	12/28 12:57	J72-17	3248	TRAY2	A3
021	12/28 14:29	J62-02	3201	TRAY1	A4	022	12/28 16:29	J30-00	4176	TRAY2	5x8 1/2
023	12/28 16:38	J30-00	4177	TRAY2	5x8 1/2	024	12/28 16:39	J30-00	4177	TRAY2	5x8 1/2
025	01/06 19:34	J30-00	4201	TRAY2	A4	026	01/06 19:39	J30-00	4201	TRAY2	A4
027	01/07 12:19	J30-00	4201	TRAY2	A4	028	01/07 12:35	J30-00	4201	TRAY2	A4
029	01/07 14:03	J30-00	4208	TRAY4	A4	030	01/07 14:04	J30-00	4208	TRAY4	A4
031	01/07 14:03	J30-00	4210	TRAY4	A4	032	01/07 19:55	J63-04	2185		
033	01/07 20:00	J67-02	4225	TRAY1	A4	034	01/07 20:02	J67-02	4225		
035	01/07 20:06	J62-03	2190			036	01/10 15:45	J62-03	2249		
037	01/11 07:57	J67-02	4308	TRAY1	A4	038	01/11 13:54	J30-00	4323	TRAY2	A4R
039	01/11 13:56	J30-00	4325	TRAY4	A4R	040	01/11 13:59	J30-00	4325	TRAY4	A4R
041	01/18 15:46	J30-00	5381	TRAY2	8x11	042	01/18 15:47	J72-16	5381	TRAY1	A4R
043	01/18 16:05	J30-00	5385	TRAY4	8x11	044	01/18 16:05	J30-00	5385	TRAY1	A4
045	01/18 16:33	J30-00	5391	TRAY4	8x11	046	01/18 16:45	J30-00	5391	TRAY4	8x11
047	01/18 19:01	J30-00	5391	TRAY4	8x11	048	01/18 19:01	J30-00	5391	TRAY4	8x11
049	01/19 08:58	J30-00	5397	TRAY2	5x8 1/2	050	01/19 09:08	J30-00	5400	TRAY2	5x8 1/2
051	01/19 12:33	J67-01	5413	TRAY4	A3	052	01/19 16:32	J62-02	5453	TRAY1	A4
053	01/19 16:30	J67-02	5453	TRAY1	A4	054	01/19 16:15	J72-17	5515	TRAY1	A4
055	01/19 18:16	J72-17	5515	TRAY1	A4	056	01/25 14:17	J30-00	5743	TRAY2	A4
057	01/25 14:19	J30-00	5744	TRAY2	A4	058	01/27 14:45	J62-00	3126	TRAY1	A4
059	01/31 16:12	J30-00	5857	TRAY4	A5R	060	02/05 10:12	J30-00	5839	TRAY2	F4
061	02/05 10:31	J30-00	5839	TRAY2	F4	062	02/05 15:56	J30-00	5838	TRAY4	A4
063	02/04 10:19	J30-00	5839	TRAY4	A4	064	02/10 10:04	J30-00	5807	TRAY4	A4
065	02/10 14:04	J10-00	6246	Bypass	A3	066	02/10 14:04	J10-00	6246	Bypass	A3
067	02/10 14:05	J10-00	6246	Bypass	A3	068	02/10 14:05	J10-00	6246	Bypass	A3
069	02/10 14:06	J10-00	6246	Bypass	A3	070	02/24 08:36	J67-02	8231	TRAY1	A4
071	02/24 08:41	J67-02	8231	TRAY1	A4	072	02/24 17:51	J63-00	4410	TRAYS	A4R
073	02/24 17:52	J63-00	4411	TRAYS	A4R	074	02/28 09:39	J31-00	8780	TRAYS	A4R
075	03/24 18:42	J16-00	8792	TRAYS	B4	076	04/17 12:56	J30-00	8853	TRAY2	A4R
077	04/17 13:37	J30-00	8856	TRAY2	A4R	078	04/17 13:46	J30-00	8856	TRAY2	A4R
079	04/18 10:31	J16-00	8853	TRAY1	A4	080	04/18 14:27	J67-02	8806	TRAY1	A4
081	04/21 14:11	J67-02	9045	TRAY1	A4						

P.5
06/05/2000 19:48
26NE0001
TC:3162
ROM Ver.00 D05e

Output date, main body serial number, and total copy count, ROM version



Management list	P.6
------------------------	------------

[Description Items]

- Copy count by arbitrarily replacement parts.
Part name, part number, copy count and limit count of each parts.

Management list

Copy count of each parts (parts to be replaced (named arbitrarily))

Management list

Number of page
 P.6
 08/05/2000 19:49
 294E0001
 TC:9163
 ROM Ver.00.000e

No.	Parts name	Parts no	Total copy count	Limit count
01			9163	-
02			9163	-
03			9163	-
04			9163	-
05			9163	-
06			9163	-
07			9163	-
08			9163	-
09			9163	-
10			9163	-
11			9163	-
12			9163	-
13			9163	-
14			9163	-
15			9163	-
16			9163	-
17			9163	-
18			9163	-
19			9163	-
20			9163	-
21	Bypass paper feed		500	-
22	Tray 1		5144	-
23	Tray 2		605	-
24	Tray 3		494	-
25	Tray 4		220	-
26	ADF		2297	-
27	Main body exit		8912	-
28	ADF		5333	-
29	ADF		5333	-
30	ADF		5333	-

Output date, main body serial number, and total copy count, ROM version



Management list	P.7
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[Description Items]

- Copy count by fixed replacement part.
Part name, part number, copy count and limit count of each unit.

Management list

Number of page

Copy count by fixed replacement part

Management list					
Unit name	Parts name	Parts no	Total copy count	Limit count	
DC	Drum	26N-206K	9184	20000	
	CL blade unit	26N-890K	9184	20000	
	Drum unit	26N-260K	9184	60000	
Tran/sap	Tran/sap co unit	26N-260K	9184	40000	
Development unit	Developer	26N-800K	9184	20000	
	Development unit	26N-1017K	9184	80000	
Main body	Ozone filter	26N-1017K	9184	20000	
Main Feed	T1:Feed rubber	26N-4008K	5103	20000	
	T1:DFPV rubber/U	26N-4011K	5103	20000	
	T1:DFPV rubber/L	26N-4012K	5103	20000	
	T2:Feed rubber	26N-4008K	575	20000	
	T2:DFPV rubber/U	26N-4011K	575	20000	
	T2:DFPV rubber/L	26N-4012K	575	20000	
D8 Feed	T3:Feed rubber	26N-4008K	489	20000	
	T3:DFPV rubber/U	26N-4011K	489	20000	
	T3:DFPV rubber/L	26N-4012K	489	20000	
	T4:Feed rubber	26N-4008K	202	20000	
	T4:DFPV rubber/U	26N-4011K	202	20000	
	T4:DFPV rubber/L	26N-4012K	202	20000	
Bypass unit	BP:Reverse R	40A-406K	544	30000	
	BP:Pick-up R	26N-426K	544	30000	
	BP:conveyance R	40A-426K	544	30000	
Heater unit	Fix heat roller	26N-530K	9184	10000	
	Fix pressure R	26N-530K	9184	10000	
	Fixing web	26N-540K	9184	10000	
	Insulat Sleeve/A	26N-572K	9184	10000	
	Insulat Sleeve/B	26N-573K	9184	10000	
	Fixing cleaner R	26N-580K	9184	10000	
	Cleaner unit	26N-540K	9184	10000	
	Fixing claw	26N-530K	9184	20000	
	Fix shaft HD/U	26N-571K	9184	20000	
	Fix shaft HD/L	26N-569K	9184	20000	
	Fixing sensor	26N-8801K	9184	40000	
	Thermostat	26N-155K	9184	40000	
	Fixing heater/1	26N-830K	9184	40000	
	Fixing heater/2	26N-830K	9184	40000	
DF-914	DF:Feed roller/A	13L-4011K	4067	25000	
	DF:DFPV roller/A	13L-403K	4067	25000	
FS-107	FS:Exit roller/A	13Q-4518K	5450	60000	

P.7
08/05/2000 18:49
26N10001
TC:9154
ROM Ver.00 008e

Output date, main body serial number, and total copy count, ROM version



Management list	P.8
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[Description Items]

- Count by the copy mode (data collection 3).

Management list	Number of page
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Count by the copy mode

Management list			
Item	Pastes	Item	Pastes
Total copy by mode			
Num. of copies in 1-1 mode	1689	Num. of copies in 2-2 mode(RADF)	1370
Num. of copies in 2-1 mode(RADF)	92	Num. of copies in 1-2 mode(RADF)	2270
Num. of copies in 1-1 mode(RADF)	2206	Num. of copies in sort	1268
Num. of copies in staplersort	1041	Num. Of stapling operations	175
Num. of copies in group	24	Num. of copies in fixed MR of 1.41/2.00	2
Num. of copies in 1:1 magnification	5863	Num. of copies in fixed MR of 1.15/1.29	-
Num. of copies in fixed MR of 1.22/1.55	-	Num. of copies in fixed MR of 0.82/0.65	-
Num. of copies in fixed MR of 0.86/0.77	-	Num. of copies in arbitrary zoom	8
Num. of copies in fixed MR of 0.71/0.50	-	Num. of copies in maximum MR	1
Num. of copies in zoom MR func.	1328	Num. of copies in AMS mode	1572
Num. of copies in minimum MR	1	Num. of copies in AE mode	6511
Num. of copies in APS mode	4884	Num. of copies in bypass feed mode	626
Num. of copies in interrupt mode	-	Num. of copies in frame erase mode	2
Num. of copies in book copy mode	22	Num. of copies in 1:1 image shift mode	1306
Num. of copies in fold erase mode	2	Num. of feeds in sheet ins. Mode	-
Num. of copies in red. image shift mode	-	Num. of feeds in OHP mode(Blank Sheet)	1
Num. of feeds in mixed original mode	-	Num. Of times the Job memory mode	1
Num. Of times the low power mode was used	400	Num. Of copy when the set Q'ty is 1	1115
Num. Of copy when the set Q'ty is 2 to 5	244	Num. Of copy when the set Q'ty is 6 to 10	67
Num. Of copy when the set Q'ty is 11 or more	78	Num. Of copy when the sheet ins. Mode	-
Num. of copies in platen memory mode	794	Num. of copies in photo enhance mode	1
Num. of copies in text/photo enhance mode	8272	Num. of copies in h./V. zoom mode	-
Num. of copies in user density mode	-	Num. of copies in Proof Copy mode	-
Num. of copies in image insert mode	6	Num. of copies in text enhance mode	1
Num. of copies in combination mode	9	Num. of copies in OHP mode(Copy Sheet)	-
Num. of copies in reverse image mode	3	Num. of copies in chapter mode	12
Num. of copies in increase contrast mode	1	Num. of copies in repeat image mode	13
Num. of copies from tray1	6226	Num. of copies in non-image area erase mode	93
Num. of copies from tray3	623	Num. of copies in auto layout mode	20
Num. of staple 1 in FNS	100	Num. of copies in rotation	40
Num. of copies in booklet mode	4	Num. of copies from tray2	584
No. Of copies in folded original mode	5	Num. of copies from tray4	214
Num. Of copies in stamp mode	832	Num. of staple 2 in FNS	174
		No. Of feeds in OHP mode(Normal)	-
		No. Of copies in Non-standard original mode	-
		Num. Of copies in flip side 2 mode	18

P.8
08/05/2000 18:49
28NE0001
TC:9165
ROM Ver.,00 003e

Output date, main body serial number, and total copy count, ROM version



Management list **P.9**

[Description Items]

- Adjusting values (36 mode).

Default values and setting values of the High voltage adjustment, vertical/horizontal magnification adjustment, restart adjustment, paper feed loop amount adjustment, leading edge original erasure adjustment, centering adjustment and image read point adjustment.

* Adjustment list Page1

Management list

Number of page

P.9

Management list																																																																																		
08/05/2000 18:50 28E00001 T03186 ROM Ver.00 005e																																																																																		
High voltage adjustment	Adjust(36) HV adjustent																																																																																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Item</th> <th>Default</th> <th>Setting</th> <th>Item</th> <th>Default</th> <th>Setting</th> </tr> </thead> <tbody> <tr> <td>Charge</td> <td>007</td> <td>070</td> <td>Transfer</td> <td>038</td> <td>038</td> </tr> <tr> <td>Separation AC</td> <td>136</td> <td>136</td> <td>Separation DC</td> <td>055</td> <td>055</td> </tr> <tr> <td>Charge grid voltage</td> <td>088</td> <td>088</td> <td>Bias of development</td> <td>073</td> <td>073</td> </tr> <tr> <td>L. detection adjust</td> <td>255</td> <td>069</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Item	Default	Setting	Item	Default	Setting	Charge	007	070	Transfer	038	038	Separation AC	136	136	Separation DC	055	055	Charge grid voltage	088	088	Bias of development	073	073	L. detection adjust	255	069																																																						
Item	Default	Setting	Item	Default	Setting																																																																													
Charge	007	070	Transfer	038	038																																																																													
Separation AC	136	136	Separation DC	055	055																																																																													
Charge grid voltage	088	088	Bias of development	073	073																																																																													
L. detection adjust	255	069																																																																																
Horizontal/vertical magnification adjustment	Drum clock adj.																																																																																	
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RAUF (1side/200%)	+020	+000	RAUF (1side/400%)	-020	-005																																																																													
RAUF (2side/50%)	+020	+000	RAUF (2side/100%)	+020	+000																																																																													
RAUF (2side/200%)	+020	+000	RAUF (2side/400%)	+020	+000																																																																													
Restart timing adjustment	Restart timing																																																																																	
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Item	Default	Setting	Item	Default	Setting																																																																													
Enline Bypass	+070	+100	Enline Upper	+075	+100																																																																													
Enline Lower	+072	+100	Enline DB1	+075	+100																																																																													
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RAUF (1side)	+012	-008	RAUF (2side-2)	-050	-018																																																																													
RAUF (2side-1)	+013	-008																																																																																
Paper feed loop amount adjustment	Paper loop adj.																																																																																	
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Upper small	+005	+005	Upper large	+008	+008																																																																													
Lower/COMMON	+000	+000	Lower small	+000	+000																																																																													
Lower large	+000	+000	DB upper (00)	+000	+000																																																																													
DB upper (small)	+000	+000	DB upper (large)	+000	+000																																																																													
DB lower (00)	+000	+000	DB lower (small)	+000	+000																																																																													
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Image read point adjustment	Read Point adj.																																																																																	
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Output date, main body serial number, and total copy count, ROM version



Management list	P.10
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[Description Items]

- FNS alignment plate adjustment (back side)
- FNS alignment plate adjustment (front side)

* Adjustment list page 2.

Management list

Number of page

↓

P.10

08/05/2000 18:50
299600001
TC9167
ROM Ver.00 003e

FNS alignment plate adjustment (back side) →

FNS alignment plate adjustment (front side) →

Management list

FNS adj.FNS #side adj(BACK)					
Item	Default	Setting	Item	Default	Setting
11x17 8.5x11	+000	+000	A3 A4	+000	+001
B4 B5	+000	+000	8.5x14 8.5x11R 5.5x8.5	+000	+000
A4R A5	+000	+000	B5R	+000	+000
5.5x8.5R	+000	+000	A5R	+000	+000
F4	+000	+000	BK	+000	+000
16K	+000	+000	16KR	+000	+000

FNS adj.FNS #side adj(FRONT)					
Item	Default	Setting	Item	Default	Setting
11x17 8.5x11	+000	+000	A3 A4	+000	+001
B4 B5	+000	+000	8.5x14 8.5x11R 5.5x8.5	+000	+000
A4R A5	+000	+000	B5R	+000	+000
5.5x8.5R	+000	+000	A5R	+000	+000
F4	+000	+000	BK	+000	+000
16K	+000	+000	16KR	+000	+000

← Output date, main body serial number, and total copy count, ROM version



Management list **P.11**

[Description Items]

- Adjusting values. (25 mode)
Values to be selected for respective adjustment items.
- 25 mode software DIP SW setting.
Default values and current setting value of each DIP SW.

* Adjustment list page 3.

Management list

Number of page

P.11

Adjust(25)		Settings	
Item			
Key operator password set	0000		
E.K.C. master key code set	00000000		
Weekly timer master key set	0000		
Service telephone number			
Calling mode-1	00/00/0000 00:00		
Calling mode-2	monthly 00 00:00		
Calling mode-3	0		
Host Password1	KR0S1		
Host Password2	00000		
Host Password3	00000		
KR0S telephone number (Copy)	7		
KR0S telephone number (Host1)	1		
KR0S telephone number (Host2)			

Software SW																			
SW No.	Default						Set												
	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0	HEX		
01	0	0	0	0	0	0	0	0	1	01	0	0	0	0	0	0		1	01
02	0	0	1	0	1	1	0	0	0	6C	0	1	1	0	1	1	0	0	0
03	0	0	0	1	0	0	0	0	0	10	0	0	0	1	0	0	0	0	1
04	0	0	0	0	1	1	0	0	0	2C	0	0	1	0	1	1	1	1	2F
05	0	0	0	0	0	0	0	1	0	02	0	0	0	0	0	0	1	0	02
06	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	0	00
07	0	0	0	0	0	0	0	0	1	01	0	0	0	0	0	0	0	0	01
08	0	0	0	0	0	0	0	0	0	00	1	0	0	0	0	0	0	0	00
09	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	0	00
10	0	0	0	0	0	0	1	1	0	06	1	0	0	0	0	0	1	0	06
11	0	0	0	0	0	0	0	1	0	01	0	0	0	0	0	0	0	1	01
12	0	0	0	0	0	0	0	0	0	00	1	1	0	0	0	0	0	0	00
13	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	0	00
14	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	0	00
15	1	0	0	0	0	0	0	0	0	00	1	1	0	0	0	0	0	0	00
16	0	0	0	1	1	0	1	0	0	1A	0	0	0	1	0	0	0	1	12
17	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	0	00
18	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	0	00
19	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	0	00
20	0	0	0	0	1	1	1	1	1	0F	0	0	0	0	1	1	1	1	0F
21	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	0	00
22	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	1	0	0	04
23	0	0	1	0	1	1	1	1	1	2F	0	0	1	1	1	1	1	1	3F
24	0	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	0	00

Output date, main body serial number, and total copy count, ROM version

02/05/2000 19:50
29E00001
TC:9188
ROM Ver.:00 033e



Management list

P.12

[Description Items]

- KRDS software DIP SW setting.
Default values and current setting value of each DIP SW.

* Adjustment list page 4.

Management list

Number of page

KRDS software
DIP SW setting

Management list																		
KRDS software SW set																		
SW No.	Default								HEX	Set								HEX
	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0		Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0	
01	1	0	0	0	0	0	0	1	81	1	0	0	0	0	0	1	81	
02	1	0	0	0	0	0	0	1	81	1	0	0	0	0	0	1	81	
03	0	1	0	1	0	1	1	1	57	0	1	0	1	0	1	1	57	
04	0	0	0	0	1	0	0	0	10	0	0	0	1	0	0	0	10	
05	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
06	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
07	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
08	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
09	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
10	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
11	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
12	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
13	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
14	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
15	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
16	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
17	0	0	0	0	0	0	0	1	01	0	0	0	0	0	0	1	01	
18	0	0	0	0	0	0	0	1	01	0	0	0	0	0	0	1	01	
19	0	0	0	0	0	0	0	1	01	0	0	0	0	0	0	1	01	
20	0	0	0	1	1	1	1	0	1E	0	0	0	1	1	1	0	1E	
21	0	0	0	0	0	0	1	1	0E	0	0	0	0	1	1	1	0E	
22	0	0	0	0	0	0	1	1	0E	0	0	0	0	1	1	1	0E	
23	0	0	0	0	0	1	1	1	0E	0	0	0	0	1	1	1	0E	
24	0	1	0	1	0	0	0	0	FF	0	1	0	1	0	0	0	FF	
25	0	0	1	0	0	0	0	0	20	0	0	1	0	0	0	0	20	
26	0	0	1	0	0	0	0	0	40	0	0	1	0	0	0	0	40	
27	0	0	0	0	1	0	1	0	0A	0	0	0	0	1	0	1	0A	
28	0	0	0	0	1	0	0	0	20	0	0	1	0	0	0	0	20	
29	0	0	0	0	1	1	1	1	1E	0	0	0	1	1	1	1	1E	
30	1	1	1	1	1	1	1	1	FF	1	1	1	1	1	1	1	FF	
31	0	0	0	0	0	0	0	0	99	0	0	0	0	0	0	0	99	
32	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
33	0	0	0	0	0	0	0	1	0A	0	0	0	0	0	0	1	0A	
34	0	1	0	1	0	1	0	1	55	0	1	0	1	0	1	0	55	
35	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
36	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
37	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
38	1	0	0	0	1	1	0	0	98	0	1	0	0	1	1	0	98	
39	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	
40	0	0	0	0	0	0	0	0	00	0	0	0	0	0	0	0	00	

P.12
08/05/2000 19:51
26NE00001
TC:9169
ROM Ver.00 003e

Output date, main body
serial number, and total
copy count, ROM version

Management list

P.13

[Description Items]

(Printed only when the FAX option is installed.)

Various FAX-related setting values

The listed items are the same as the serviceman parameter settings.

③ For details of the listed contents, refer to the FK-101/102 service handbook.

Management list

Management list			
		P.13	
		08/05/2000 19:51	
		20E0001	
		10:5170	
		ROM Ver.00 003e	
Modem/NDJ			
Item	Setting	Item	Setting
V34send max.bit speed	33600 bps	V34 Rx max.bit speed	33600 bps
V34max_SMB speed	3429 SYMB	V34control_OI speed	3200 SYMB
V34SMB criterion (S/N)	0 dB	V34SMB select(Distort)	0 dB
V34 main OI speed	0 dB	V17 Rx max_speed	V17-14400
V17 send max_speed	V17-14400	tone/protocol TxATT	-8 dBm
PIX TxATT	-8 dBm	OO/SED ON level	-48 dBm
OO/ANSan TxATT	-8 dBm	DIMF H-L difference	2.0 dB
DIMF TxATT	-6 dB	Rx cable EDL	0 dB
Tx cable EDL	0 dB		
Communication			
Item	Setting	Item	Setting
V34/V34 protocol	ON	V17 EP TONE	ON
Fax KDS protocol	OFF	TI TIMER	36 sec
V23 EP TONE	OFF	V34 Int'l com speed	28800 bps
Int'l com function	ON	V23 Int'l com speed	4800 bps
V17 Int'l com speed	7200 bps	EDM function	ON
DIS for Int'l com	1	Coding ability	M/M/NR/MNR
Frame size on EDM send	256	OO-DIS DELAY TIMER	80 ms
ANSan send time	4.0 sec	PIX-HMG DELAY TIMER	80 ms
DCP-PIX DELAY TIMER	80 ms	OPR-PIX WAIT TIMER	6.0 sec
EDL-EDL TIMER	13.0 sec	JM WAIT TIMER	5.0 sec
EDM-PIX WAIT TIMER	5.0 sec		
V17 Selection mode "--"	OFF		
Network			
Item	Setting	Item	Setting
RCV signal detect mode	Number	RCV signal detect time	6 sec
Pause time	1 sec	Response waiting time	55 sec
DC-LOOP check	OFF	Busy tone detection	OFF
No. of busy tones	0	1800 Hz detection	OFF
Min.RING OFF time	0 ms		
List output mode			
Item	Setting	Item	Setting
Diag. code Journal	OFF	Transmission report	With issue
Protocol auto print	OFF		
System			
Item	Setting	Item	Setting
Frame erasure HP	5 mm	Book mode paste order	Tx L to R
Auto rotation Tx(BER)	OFF	Auto rotation Tx(LT)	ON
Auto rotation Tx(A4)	ON	Error paste re-send mode	Error paste
No. of redial(error)	3	Original scan mode	Non standard
Fax board watch dog	ON	Report auto output STOP	Valid
RCV/Print STOP	Valid	Error code display time	20 sec
Fax BUI rewrite on ISH	OFF	PRINT R/O key counter	Not valid
Tx without key counter	Not valid	Relay communication	ON
Confidential com.	ON		
Closed area Rx	ON		
Compulsory mem.	ON	File Re-Tx	ON
Bundled Tx	ON	Communication R/O Box	Error
FAX File format			
Item	Setting	Item	Setting
Fax file size	2 MB		

47 MODE

[1] 47 Mode Setting Method

1. 47 Mode

This mode provides self-diagnostic functions (input/output check function) to check and adjustment the various signals and loads.

Also, 47 mode has a multi mode — it is possible to check the multiple input/output using one input/output check code.

2. Operation method (to start 47 mode)

(1) 47 Mode startup

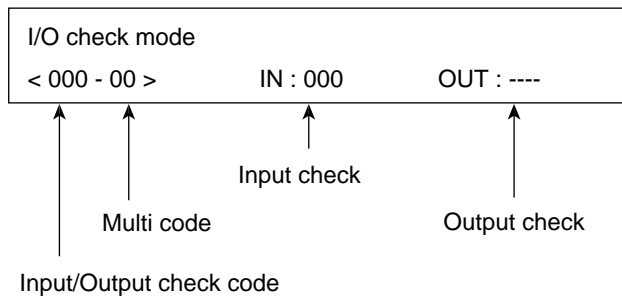
- a. Turn the SW2 (sub power) OFF when the SW1 (main power) remain ON.
- b. Turn the SW2 (sub power) ON while holding down 4 and 7 of the numeric keys. The 47 Mode Menu Screen will appear.

This is the 47 mode in which the normal copy operation becomes disabled.

47 mode menu screen



47 mode message display area



(2) Input check method

- a. Using the numeric keys, enter the code input for the desired signal (sensor, etc.) to check.
- b. When using the multi mode, press the * button and enter the multi code according to the desired input check item (signal) with the numeric keys.

Step	Operation procedure
1	Enter the 47 mode.
2	[47 mode menu screen] Using the numeric keys, enter the input check code (Note 1).
3	When using the multi mode, press the * button.
4	Using the numeric keys, enter the multi code (Note 1).
5	Input check result will appear in the input check result display area.
6	To check other signal input check, repeat steps 2 to 5.

Note 1: Refer to "[5] Input check list".

(3) Output check method

- a. Using the numeric keys, enter the output check code for the desired output load to check.
- b. When using the multi mode, press the * button and enter the multi code according to the desired output check item (load).
- c. Press the [START] button to perform the output check.
- d. To end the output check, press the [STOP/CLEAR] button.

Step	Operation procedure
1	Enter the 47 mode.
2	[47 mode menu screen] Using the numeric keys, enter the output check code (Note 2).
3	When using the multi mode, press the * button.
4	Using the numeric keys, enter the multi code (Note 2).
5	Press the [START] button to perform the output check.
6	To end the output check, press the [STOP/CLEAR] button.
7	To make another output check, repeat steps 2 to 6.

Note 2: Refer to "[6] Output check list".

(4) Exiting the 47 mode

Turn the SW2 (sub power) off to exit the 47 mode.

[2] Initial Setting in the Field

Each adjustment data is totally returned to the data value when the machine is shipped from the factory.

Step	Operation procedure
1	Enter the 47 mode.
2	[47 mode menu screen] Press "93" by means of the numeric keys. Check that "093-000" appears in the message display area.
3	Press the [START] button. Settings (adjustment) data is returned to the data value when the machine is delivered from the factory.
4	To end the setting, press the [STOP/CLEAR] button.
5	To end the 47 mode, turn the SW2 (sub power) OFF.

 **[3] RADF Original Size Detection Adjustment**

This adjustment is done when RADF fails to correctly detect size of an original.

Step	Operation procedure
1	Enter the 47 mode.
2	[47 mode menu screen] Press [69] by means of the numeric keys. Check that "069-000" appears in the message display area.
3	Set the original guide plate to the minimum size (width) position, then press the [START] button.
4	Press the [STOP/CLEAR] button to end the operation.
5	Press the * button.
6	Enter [1] from the the numeric keys. Make sure that "069-001" is indicated in the message display area.
7	Set the original guide plate to the maximum size (width) position, then press the [START] button.
8	To end the adjustment, press the [STOP/CLEAR] button.
9	To end the 47 mode, turn the SW2 (sub power) OFF.

[4] ERDH Memory Check

Perform this adjustment when memory is expanded.

Step	Operation procedure
1	Enter the 47 mode.
2	[47 mode menu screen] Press [197] by means of the numeric keys. Check that "197-000" appears in the message display area.
3	Press the [START] button.
4	The "OUT:" entry in the message display area indicates the total size of the E-RDH memory (inclusive of the 32MB provided as standard). <ul style="list-style-type: none"> • 32MB (standard) : 0032 • 32MB + 64MB : 0096 • 32MB + 64MB + 64MB : 0160 • 32MB + 128MB : 0160 • 32MB + 128MB + 128MB : 0288
5	Press the [STOP/CLEAR] button.
6	[47 mode screen] Enter a value of [198] using the numeric keys. Be sure that "198-000" appears in the message display area.
7	Press the [START] button. The system begins executing a memory check.
8	The "OUT:" entry in the message area displays "NOW": while checking is in progress, then displays "OK" if all memory is operating correctly.
9	To end the check, press the [STOP/CLEAR] button.
10	To end the 47 mode, turn the SW2 (sub power) OFF.

⚠ [4-1] Bypass Size Detection Adjustment

Perform this adjustment if paper size detection at the by-press feed tray does not function correctly.

Step	Operation procedure
1	Enter the 47 mode.
2	[47 mode menu screen] Press [28] by means of the numeric keys. Check that "028-000" appears in the message display area.
3	Set a sheet of A4R paper in the by-pass feed tray.
4	Press the * button.
5	Press [1] by means of the numeric keys. Check that "028-001" appears in the message display area.
6	Press the [START] button.
7	Press the [STOP/CLEAR] button.
8	Set a sheet of A4 paper in the by-pass feed tray.
9	Press the * button.
10	Press [0, 0, 2] by means of the numeric keys. Check that "028-002" appears in the message display area.
11	Press the [START] button.
12	To end the check, press the [STOP/CLEAR] button.
13	To end the 47 mode, turn the SW2 (sub power) OFF.

[5] Input Check List

Classification	Name	Code	Multi code	Symbol	Display	
					OFF	ON
Analog signal	Drum temperature signal	00		TSCB	0 to 255	
	Toner control data 0	01		TSCB	0 to 255	
	Toner control data 1	02		TSCB	0 to 255	
	Fixing temperature sensor 0	03		TH1	0 to 255	
	Fixing temperature sensor 1	04		TH2	0 to 255	
	L detection signal	05		TDS	0 to 255	
	Humidity sensor signal	06		HUM1	0 to 255	
Paper feed	No paper detection signal	10	1: Main body upper tray	PS8	No paper	Paper
			2: Main body lower tray	PS11		
			3: DB upper tray	PS103		
			4: DB lower tray	PS108		
			5: By-pass	PS13		
	Tray upper limit detection signal	12	1: Main body upper tray	PS7	Upper limit not reached	Upper limit
			2: Main body lower tray	PS10		
			3: DB upper tray	PS102		
			4: DB lower tray	PS107		
	Tray detection	13	1: Main body upper tray	PS9	Tray is not provided	Tray is provided
			2: Main body lower tray	PS12		
			3: DB upper tray	PS101		
			4: DB lower tray	PS106		
	Paper size signal	16	1: Main body upper tray	PFDB (upper)	0 to 9 (Note)	
			2: Main body lower tray	PFDB (lower)		
			3: DB upper tray	SDB1		
4: DB lower tray			SDB2			

Note:

3 For Inch										
Display Tray	1	2	3	4	5	6	7	8	9	0
1	B5R	B4	A5R	A4	A4R	F4	5.5 x 8.5	8.5 x 11	8.5 x 11R	8.5 x 14
2, 3, 4	A5R	A4	A4R	A3	F4	5.5 x 8.5	8.5 x 11	8.5 x 11R	8.5 x 14	11 x 17

3 For Metric										
Display Tray	1	2	3	4	5	6	7	8	9	0
1	B5	B4	A5R	A4	A4R	F4	5.5 x 8.5	8.5 x 11	8.5 x 11R	8.5 x 14
2, 3, 4	B5	B4	A5R	A4	A4R	A3	F4	8.5 x 11	8.5 x 11R	11 x 17


Common										
Display Tray	1	2	3	4	5	6	7	8	9	0
LCT (3)	A4	A4R	8.5 x 11	8.5 x 11R	B5R	B5	A4	A4R	8.5 x 11	8.5 x 11R

Classification	Name	Code	Multi code	Symbol	Display	
					OFF	ON
Paper feed/conveyance	Paper feed sensor signal	20	1: Registration sensor	PS1	No paper	Paper
			3: Jam detect sensor (DB upper tray)	PS104	No paper	Paper
			4: Jam detect sensor (DB lower tray)	PS105	No paper	Paper
			5: Intermediate conveyance PS/upper (Note)	PS21	No paper	Paper
			6: Intermediate conveyance PS/lower (Note)	PS22	No paper	Paper
	Paper exit sensor signal	22	1: Fixing exit PS	PS2	No paper	Paper
			2: Paper exit PS (7020/25/30/35)	PS3	No paper	Paper
	Interlock	23	1: ADU door	SW3	Close	Open
Optics	Measured LD alarm value (7035 only)	38		–	0 to 255	
	Optics sensor signal	40	1: Optics home position PS	PS14	In home position	Not in home position
			2: APS timing PS	PS15	Close	Open
			3: APS sensor 1 (7020/25/30/35)	PS17	No original	Original is provided
			4: APS sensor 2	PS18	No original	Original is provided
Intrinsic functions	Check of serial communications	50	1: RADF control board	DFCB	0000 (Abnormal or not connected)	0001 (Normal)
			2: Finisher control board	FSCB	0000 (Abnormal or not connected)	0001 (Normal)
			3: Scanner drive board	SCDB	0000 (Abnormal or not connected)	0001 (Normal)
			4: Printer drive board	PRDB	0000 (Abnormal or not connected)	0001 (Normal)
	Toner supply periphery	57	1: Toner level detector signal	TLD	No toner	Toner is provided
			2: Toner bottle PS signal	PS5	No bottle	Bottle is provided
RADF	RADF input	60	00: No original detect PS	PS301	No paper	Paper is provided
			01: RADF open/close detect PS	PS304	Closed	Open
			02: Cover open/close detect PS	PS305	Closed	Open
			03: Original registration PS	PS311	No paper	Paper is provided
			04: Original feed PS	PS312	No paper	Paper is provided
			05: Original exit PS	PS303	No paper	Paper is provided
			06: Original detect PS 1	PS306	No paper	Paper is provided
			07: Original detect PS 2	PS307	No paper	Paper is provided
			09: Original size VR A/D data	VR301	0 to 255	
FNS	FNS input	70	1: Fan motor lock detection	–	Fan rotation	Fan stop or motor lock
			2: Paper exit detect PS	PS703	Paper loaded	No paper
			3: Paper pressure PS	PS701	Pressure applied	No pressure
			4: Tray full-stack detect PS	PS704	Full	Normal
			5: Tray count PS	PS716	Tray detected	Tray not detected
			6: Conveyance cover open/close detect PS	PS717	Cover open	Cover closed
			7: Shutter PS	PS705	Open	Closed
			8: Tray upper limit detect PS	PS711	Not at upper limit	Upper limit
			9: Paper entrance detect PS	PS702	No paper	Paper exists
			10: Stapler H.P. detect PS	PS712	H.P.	Other than H.P.
			12: No-staple detect PS.	PS713	Staples loaded	No staples
			14: Stapler ready detect PS	PS714	Stapler ready	Stapler not ready
			15: Front door switch	MS701	Door closed	Door open


△ Note: Exclusively for 7030/7130/7035/7135





Classification	Name	Code	Multi code	Symbol	Display	
					OFF	ON
FNS	FNS input	70	16: 24 V detect	–	24 V	0 V
			18: Tray lower limit detect PS	PS706	Other than lower limit	Lower limit
			19: No paper detect PS	PS707	No paper	Paper exists
			20: Stapler unit H.P. detect PS	PS708	Other than H.P.	H.P.
			21: Alignment plate HP detect PS (rear)	PS709	Other than H.P.	H.P.
			22: Alignment plate HP detect PS (front)	PS710	Other than H.P.	H.P.
ITU	ITU input	75	1: ITU set detect	–	Connected	Not connected
			2: IT door PS	PS25	Closed	Open
			3: IT exit PS (upper/lower)	PS23,24	No paper	Paper is detected
ADU	ADU PS	80		PS4	Closed	Open

[6] Output Check List

Classification	Name	Code	Multi code	Symbol	Remarks
High voltage /image	Exposure lamp	00		L1	
	Toner supply motor 1/2, developing sleeve, main motor, toner bottle SD	01		M1, M3 M4, SD6, M10	SD6: Toner bottle SD (7020/25/30 only) M10: Toner supply motor 2 (Other than 7020/25/30)
	Charging	02		HV	
	Transfer	03		HV	
	Separation (AC)	04		HV	
	Transfer + Separation (AC + DC)	05		HV	
	Separation (DC)	06		HV	
	Grid	07		HV	
	Dmax/ γ LED	08		HV	
	Guide plate	10		HV	
	Bias	11		HV	
Counter clear	Service counter clear	15	1: Service counter clear (Clears service related counter values.)		
			2: Reuse counter clear		For development
			10: EKC data block clear		
			11: Job memory data block clear		
			12: Arbitrary replacement parts data block clear		
			13: Coded dialing data block clear		For fax
			14: One touch data block clear		For fax
			15: Group data block clear		For fax
			99: Initialize KRDS non volatile area		
Paper feed	1st paper feed SD	20	1: Main body upper tray	SD1	
			2: Main body lower tray	SD2	
			3: By-pass	SD3	
			4: DB upper tray	SD101	
			5: DB lower tray	SD102	
	Paper feed motor	21	1: Paper feed motor	M9	
			2: DB paper feed motor	M100	
	Tray up motor	23	1: Main body upper tray	M7	
			2: Main body lower tray	M8	
			3: DB upper tray	M101	
			4: DB lower tray	M102	
	Registration clutch	25		MC1	
	Loop clutch	26		MC2	
	Tray select (paper size signal)	27	1: Main body upper tray	PFDB (UPPER)	
			2: Main body lower tray	PFDB (LOWER)	
			3: DB upper tray	SDB (UPPER)	
			4: DB lower tray	SDB (LOWER)	
By-pass size detection adjustment	28	1: A4R detection	VR1 	Press the Start button after A4R/A4 has been set.	
		2: A4 detection			
Separation claw SD	29			SD7	

Classification	Name	Code	Multi code	Symbol	Remarks
Optics system	Optical motor	31		M2	After HP search, execute A3 size scanning at life size.
	Polygon motor	32	1: Pre-rotation does not take place.	M5	
			2: Pre-rotation		
	Shading correction operation	34		M2, L1	
	Laser PWM	36	0 to 255	LD	
	Compel to laser ON	37		LD, M5	
Platen still APS operation	39		L1		
Main body	Main motor	41		M1	
	Fan motor	42	1: Internal dehumidifying fan	FM3	
			2: Internal cooling fan	FM4	
			3: Fixing cooling fan	FM2	
			4: DCPS cooling fan	FM1	
			5: Developing suction fan	FM5	Other than 7020/25/30
			6: Internal dehumidifying fan (Low)	FM3	7035 only
			7: Internal dehumidifying fan (High)		
Total counter	43		T(C)	1 count	
Fixing heater	45	1: Main heater lamp 1	L2		
		2: Sub heater lamp 2	L3		
Operation panel	All LED ON	48		OB	
Operation panel	Operation panel check	49		OB, LCD	Checking for LCD, keys, and buzzer
Intrinsic functions	Developing motor	50		M3	
	PCL	51		PCL	
	TSL	52		TSL	
	Cleaning web solenoid	53		SD4	
	Toner auto supply	54		M1, M4, M10, SD6	Toner bottle rotation control operation also takes place. Target level is detected continuously for 10 seconds. Also, toner supply stops automatically 3 minutes after the start of control. SD6: Toner bottle SD (7020/25/30 only) M10: Toner supply motor 2 (Other than 7020/25/30)
	Toner supply motor	55		M4	
	Toner bottle operation	56		SD6	7020/25/30 only
			1: Forward rotation	M10	Other than 7020/25/30
	2: Reverse rotation				
TLD power	57		TLD		

Classification	Name	Code	Multi code	Symbol	Remarks
Intrinsic functions	Toner bottle rotation	58		SD6, M4 	Toner supply M and bottle SD both ON to rotate bottle half turn; then stop. For machines other than 7020/25/30, only when the toner supply motor is ON.
	24V power source remote	59	1: For scanner 2: For printer		
RADF	Load output	60	0: Original feed motor CW	M301	
			1: Original feed motor CCW	M301	
			2: Original reversal motor CW	M303	
			3: Original reversal motor CCW	M303	
			4: Original conveyance motor CCW	M302	Motor speed when copy magnification is 50%
			5: Original conveyance motor CCW	M302	Motor speed when copy magnification is 100%
			6: Original conveyance motor CCW	M302	Motor speed when copy magnification is 400%
			7: Rollar pressure SD	SD302	
	8: Exit SD	SD303			
	Others	69	0: Original size adjustment (small size)	VR301	
1: Original size adjustment (large size)			VR301		
FNS	Each load on FNS	70	01: Paper conveyance motor	M701	
			03: Alignment motor shift position move (A4 position, close)	M704, 703	
			05: Tray up/down motor up	M706	
			06: Tray up/ down motor down	M706	
			07: Tray up/down motor fewer quantity up move in the staple mode	M706	
			08: Alignment plate H.P search	M704, 703	
			11: Motor pressure operation	M707	
			12: Motor release operation	M707	
			14: Stapler unit in stapling operation	M708	
			17: Stapler shift motor H.P search	M705	
			18: Stapler shift motor at rear side A4 1-position stapling position	M705	
			33: Alignment motor at open A4 position	M704, 703	
			34: Alignment motor at close A4 position	M704, 703	
			35: Alignment motor in aligning operation	M704, 703	
			42: Exit motor in exit direction rotation	M702	
			46: Tray up/down motor in tray scan operation	M706	
47: Tray up/down motor changeover to tray 1	M706				

Classification	Name	Code	Multi code	Symbol	Remarks
FNS	Each load on FNS	70	48: Tray up/down motor changeover to optional tray 1	M706	
			49: Tray up/down motor changeover to optional tray 2	M706	
			50: Tray up/down motor changeover to tray 2	M706	
			51: Stapler shift motor H.P search	M705	
			52: Stapler shift motor at front side A4 1-position stapling position	M705	
			53: Exit motor in rewind direction rotation	M702	
			54: Cooling fan motor rotation	M709	
			99: Running mode		
ITU	ITU load	75	1: ITU gate SD	SD8	
ADU	ADU motor	80	1: 140 (180) mm/sec forward rotation	M6	 Parenthesized values are for the 7022/7130/7035
			2: 350 (450) mm/sec forward rotation		
			3: 210 (180) mm/sec reverse rotation		
			4: 350 (450) mm/sec reverse rotation		
	ADU gate SD	83		SD5	
	PM counter clear	90			
	Various counter clear (For assembly line)		0: Process counter clear		
			1: Drum counter clear		
	Process initial set	92			Cannot be rewritten in the field.
	Initial settings (Restore factory defaults For assembly line)	93			 <ol style="list-style-type: none"> 1. Initialize file for default settings (values saved by 47-096). 2. Set initial vertical magnification adjustment (for RADF). 3. Set initial restart timing adjustment (for RADF). 4. Set initial original feed loop adjustment (for RADF). 5. Initial setting of mis-centering adjustment write data (for RADF)
	Display 36 mode adjustment values and factory data	94			
	Automatic adjustment of L detection reference value (For assembly line)	95			Initialize developing counter. Perform L detection automatic adjustment in the 36 mode.
Process delivery completing setting (For assembly line)	96			<ol style="list-style-type: none"> 1. Read current date. <ul style="list-style-type: none"> • Set shipping date • Set periodic collection start date 2. Enable incrementing of mechanical counter (In 25 mode, reset DIPSW21 – 6 to "0".) 	

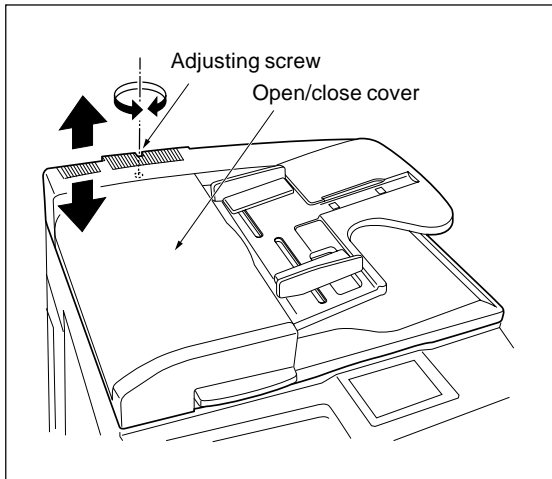
2	Classifi- cation	Name	Code	Multi code	Symbol	Remarks
	Others	Process delivery completing setting (For assembly line)	96			3. Set to suppress display of jam codes. (In 25 mode, reset DIPSW10 – 7 to "0".) 4. Return test pattern density to initial value (255). 5. Return solid pattern density to initial value (255). 6. Save settings into factory settings file.
		Light distribution check	97			
		Messages display	101			For message checking.
		Initialize fax-related nonvolatile memory (For assembly line)	121			Initialize FAX related non-volatile data using the "FAX Serviceman Setting" menu. For details, refer to the FK-101/102 service handbook.
		Display total E-RDH memory size	197			
		E-RDH memory check	198			
		Various board checks (For assembly line)	999			A jig intended for factory use is necessary.

OTHER ADJUSTMENTS

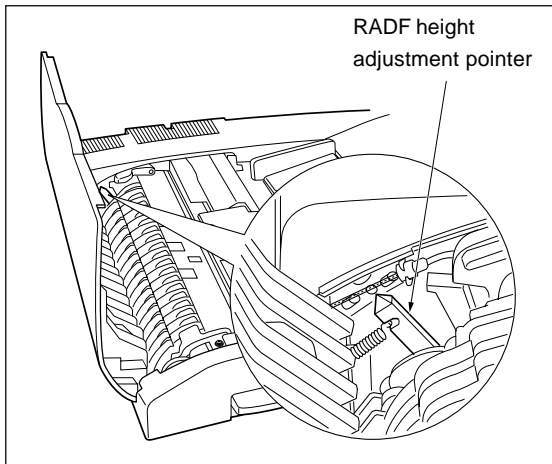
⚠ Caution: Be sure that the power cord has been unplugged from the socket.

[1] RADF Mounting Position Adjustment

Adjust the DF-314 mounting position in the following procedures.

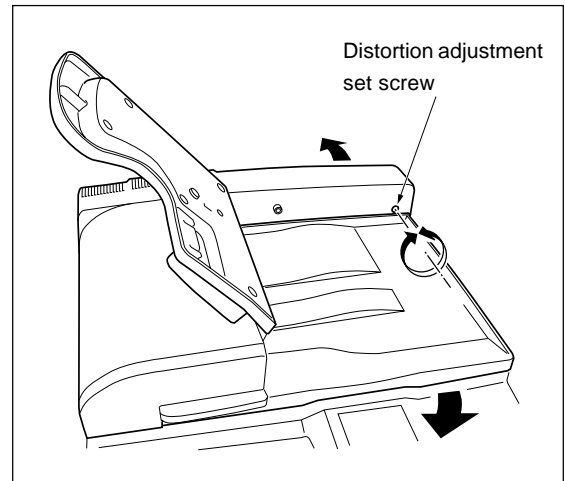


- (1) Close the DF-314.
- (2) Open the open/close cover, then turn the RADF height adjustment screw until the RADF height adjustment pointer comes to center of the scale divisions.

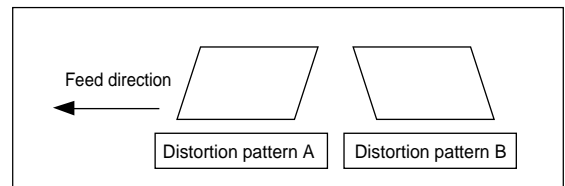


[2] RADF Distortion Adjustment

Adjust the amount of distortion of a copy in the following procedures.



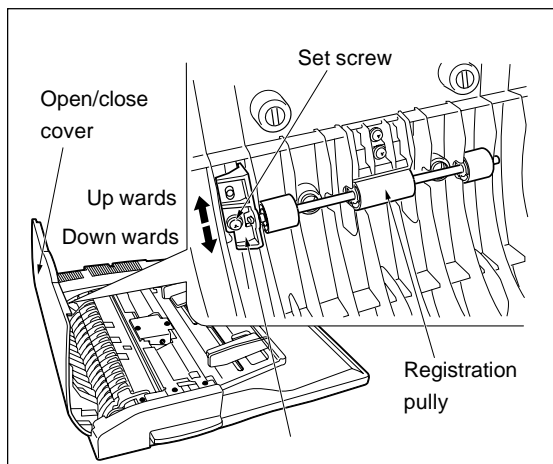
- ⚠** (1) Set a A3 paper on the tray of the main body.
- (2) Set the ADF adjustment chart on the DF-314, then make a copy.
- (3) Check the amount of distortion in the copy.
Standard value: $\pm 0.3\%$ less.



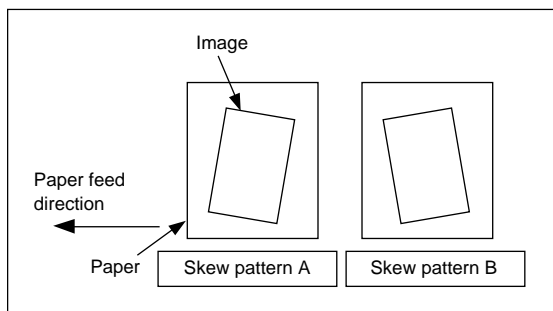
- (4) When the distortion is larger than the tolerance, adjust it using the distortion adjustment set screw.
Distortion pattern A:
Turn the distortion adjustment set screw clockwise.
Distortion pattern B:
Turn the distortion adjustment set screw counterclockwise.
- (5) Repeat above steps 2 to 4 until the standard value for distortion is met.

[3] RADF Original Skew Adjustment

When originals are fed being skewed, adjust the registration pully bracket.



- (1) Turn on the 1 → 1 mode, then set the ADF chart on the DF-314 and make a copy.
- (2) Check pattern of the skewed original feed.
Standard value: $\pm 0.5\%$ less.



- (3) When the standard value for skew is not fit, open the open/close cover, then adjust position of the registration pully bracket.

Skew pattern A:

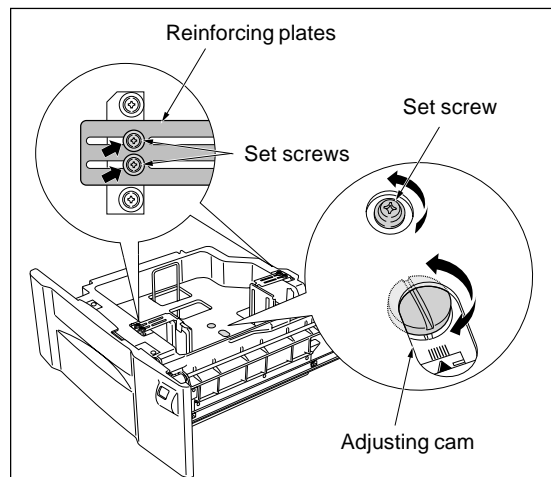
Move the registration pully bracket down.

Skew pattern B:

Move the registration pully bracket up.

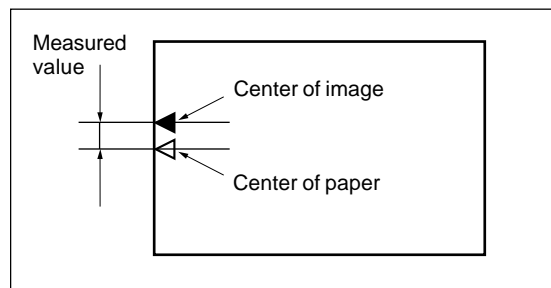
- (4) Repeat above steps 1 to 3 until the standard value for the skewed original is within standard value.

[4] DB-409/410 Paper Centering Adjustment

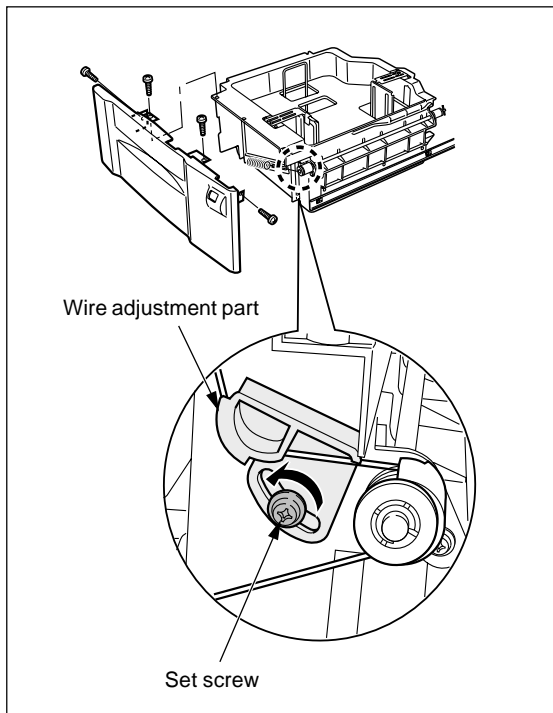


Make a copy of the test chart, then perform necessary adjustment until the standard value for the paper centering is fit.

- (1) Loosen a set screw on the side guide situated at bottom of the tray. And also loosen the two set screws on the reinforcing plates (front/back) situated at top of the tray.
- (2) Move the side guide back and forth by turning to the adjusting cam until the paper centering is within standard value.
- (3) When the adjustment is complete, tighten the set screws provided for the side guide and reinforcing plates.

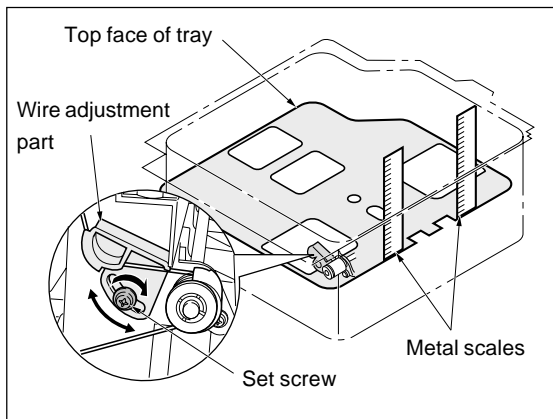


Note: If paper miscentering occurs, move the side guide forwards and backwards, and adjust the gap for the paper in use to between 1.0 and 1.5mm. (The gap must be set so that the paper lifting plate meets both the lower limit position and the upper limit position.)

△ [5] DB-409/410 Tray Tilt Adjustment

Normal paper feed can't be expected if the tray is tilted. In such case, adjust the tray and paper feed roller shaft so that they may be parallel in each other. Whenever the wire is replaced, this adjustment must be implemented.

- (1) Remove the front cover of the tray.
- (2) Loosen a set screw of the wire adjustment part situated in front side of the tray.
- (3) Move the wire adjustment part until the distance from top of the side plate to the tray top face is equal in both the front and back sides.
- (4) When the adjustment is complete, tighten the set screw for the wire adjustment part.





ISW

ISW

[1] Description of the ISW

ISW (In-System Writer) is an operation rewriting control programs stored in the flash ROM included in the diverse control board of a Konica digital copier with the board still installed in the copier main body.

By implementing ISW you can update versions of control programs without changing the board or carry out maintenance of the control board when changing the board.

Two ISW execution tools are prepared. One is the "ISW Trns" (PC software) that implements rewriting by connecting a personal computer (PC) and a digital copier. And, the other is the specialized "ISW Tool" featuring EPROM. These tools allow direct rewriting of the control program in the flash ROM included in the copier main body by connecting the ISW connector of the copier main body.

The method of carrying out the necessary setup work on the main body for executing ISW is described here. For the operation of the "ISW Trns" and "ISW Tool," refer to the "Konica ISW (In-System Writer) Service Handbook."

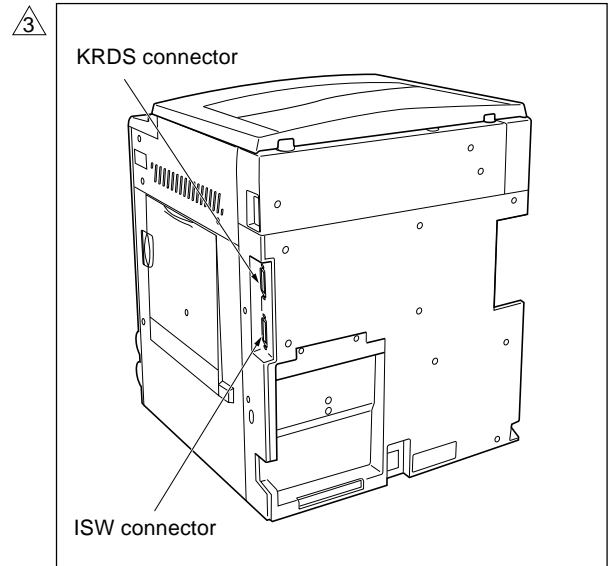
Caution: The "Konica ISW (In-System Writer) Service Handbook" describes three different data rewriting approaches to be executed by the ISW Tool. Applicable approach depends on the given model of the copier. As for this copier, reference the "Type B Re-write Operation."

[2] Operating Method

1. ISW connector

The ISW connector is provided on the right side face of the copier. Of the two connectors situated in the side face, the lower one is the ISW connector.

- ⚠ The cap or seal that covers each connector must be removed before the connector can be used.



2. Preparing the printer for re-writing


Before operating the ISW, maintain the copier in ISW mode.


Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [11. ISW] key.
3	[ISW menu screen] Select the ROM where the ROM data to be rewritten.
4	[Program rewrite screen] Pressing [START] key after [START] key is displayed, cause the machine to be data waiting condition.
5	Execute the operation according to the procedures specified in the "Konica ISW (In-System Writer) Service Handbook."

3. Types and quantity of re-write ROM

When rewriting the copier flash ROM data using the "ISW Tool," rewriting EPROM must be prepared.

The following table lists rewriting EPROM prepared for this machine.

 **Note:** Quantity of the rewriting EPROM and transfer file size are subject to change without previous notice.

Target control program	Quantity of ROM	ISW trns file size (. bin file)
System control	17	Approx. 5.5 MB
 Image control	2	Approx. 0.6 MB
RADF control	1	Approx. 0.1 MB
FNS control	1	Approx. 0.2 MB
FAX control	2	Approx. 0.6 MB

5. Data transfer error

The FAX LED (amber) lamp lights if a transfer error occurs. If an error occurs, refer to the section "Error handling" in the separate "ISW Service Handbook" and perform the appropriate countermeasures. After the countermeasures are completed, perform the re-write operation again from the beginning.

4. Re-write precautions using the "ISW Tool"

System control ROM re-write

The re-write operation must be performed to divide the EPROM of the system control ROM into two groups, because of its number of "EPROM" is more than 12. The timing (first time data transfer end timing) for the second time the re-write operations is performed is as follows.

The data LED (green) of the operation part changes from flashing to lighting.

The remaining EPROM is transferred to the "ISW Tool" and the ROM data is transferred.

The LCD goes off during data transfer.

When data transfer is ended, the 25 mode menu screen is displayed.

If an error occurs in the second ROM data transfer, perform the operation again from the beginning (first time).



KRDS

KRDS

[1] Outline

If a FAX option is installed in this machine, it is not necessary to connect a modem for KRDS. If a FAX option is not installed, please connect a data modem for KRDS.

[2] Specifications

1. Type: Overall control board built-in type.
 2. KRDS (Overall control board) Interface between modem
 - : RS-232C Compatible
 - △ : Baud Rate: Max : 115.2 kbps
Default : 38.4 kbps
 3. Basic Functions
 - Auto trouble notification
 - Operation count auto acquisition
 - Remote control (machine adjustment data, rewriting of the counter limit, etc.)
 - Notification of frequent JAM occurrence
 - Replenish toner notification
 - Repair and other call buttons
 4. FAX-KRDS*
 - Communications Speed : Max. 14.4 kbps (V.17)
 - Modulation Method : (V.17, V.29, V.27ter, V.27 fallback mode, V.34)
- * This specification is valid for KRDS host application version 5.0 or higher versions.

△ [3] KRDS Setting

KRDS allows the copy machine to call up the host computer periodically and also when there is an abnormality. Also data in the copier can be changed from the host computer.

KRDS can execute the above functions for the following data:

- a. Data on the copier's status such as total and PM count.
- b. Data on the frequency of the partial copier such as RADF paper feed count.
- c. Data on the copier's error status such as SC (F) /JAM occurrence code and count.
- d. Data on the various adjustments

To use KRDS, set up as follows:

1. Set the KRDS connection recognition.
2. Initialize KRDS memory.
3. Set the type of modem and line.
(If FAX-KRDS is used, this setting is unnecessary.)
4. Enter host password.
5. Set phone number.

KRDS setting menu

1. Calling time set
2. Host password set
3. KRDS TEL No. setting
4. KRDS software SW set
5. KRDS setup calling

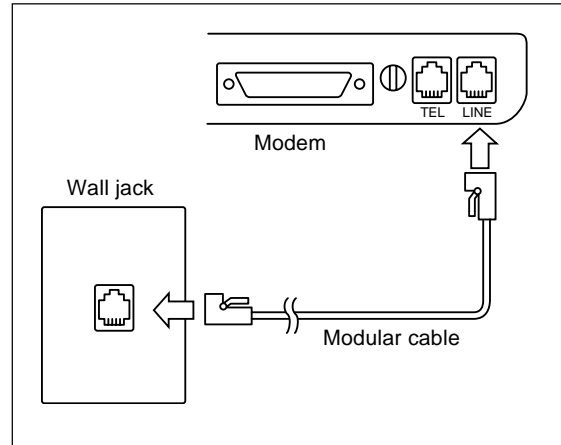
[4] KRDS Set Up

1. KRDS set up item

KRDS set up procedure

Step	Operation procedure
1	In case of a modem using, turn off the modem and connect to the copier using a modem cable (RS-232C, 25P-25P straight cable) and wall jack using a modular cable to the modem. If the FAX KRDS is used, connect the FAX board to the wall jack using the modular cable.
2	Setting the KRDS connection recognition (25 mode → [1. Software SW]) Set copier software DIPSW 12-6 (KRDS connection recognition) to "1".
3	Initialize KRDS memory. (47 mode → [1] [5] [*] [9] [8] [*] → Start button ON)
4	Set KRDS software SW. (25 mode → [9. KRDS setting] → [4. KRDS software SW set] (Select type of modem and dial mode)) Select the type of modem from the bit pattern 0 to 6 of the KRDS software SW No.1 and dial mode from the bit pattern 7.
5	Host password setting. (25 mode → [9. KRDS setting] → [2. Host password set]) (Refer to *1 and *2)
6	KRDS phone number setting. (25 mode → [9. KRDS setting] → [3. KRDS TEL No. setting]) (Refer to *3)
7	Turn off the SW1 (main power) and SW2 (sub power) of the copier.
8	Turn on the power switch of the modem.
9	Turn on the SW1 (main power) of the copier.
10	Check the set up flag setting condition. (25 mode → [9. KRDS setting] → [4. KRDS software SW set] → check that the data on the switch No.33 and bit No.0 indicates "0" (not yet).)
11	Check the KRDS communication mode. (25 mode → [9] KRDS Setting → [4] KRDS software SW setting → Check the data in bit No. 2 of switch No. 38.) It should be set on "1" if communications are via FAX-KRDS, and on "0" if communications are via a modem. If the setting is different, change the setting.
12	Preform KRDS set up calling. (25 mode → [9. KRDS setting] → [5. KRDS Setup calling])
13	Press the [START] key to start set up.
14	Check the finishing of set up. (25 mode → [9. KRDS setting] → [4. KRDS software SW set] → Completes if the data on the switch No.33 and bit No.0 indicates "1" (finished).)
15	Turn off the SW1 (main power) and SW2 (sub power) of the copier.

- *1: Host password must be 5-digit.
- *2: Host password 1 must be specified.
- *3: For both the copier and the host side, copier phone number and host phone number 1 must be specified.
- *4: Refer to the manual of the modem about specifications for connecting with the modular cable.



Note: In the case of FAX KRDS, connect to the LINE terminal on the FAX board.

2. Setting the KRDS connection recognition

- (1) Plug the power cord of the copier to the outlet. (When the SW1 (main power) and SW2 (sub power) of the copier remain off.)
- (2) Turn on the SW1 (main power) when the SW2 (sub power) remains off.
- (3) Turn on the SW2 (sub power) while pressing [2] and [5] of the copy quantity setting buttons simultaneously.
- (4) Select the [1. Software SW] key on the 25 mode menu screen.
- (5) Select the bit No.6 of the switch No.12, and then press the [ON] key.

ON: KRDS recognize

OFF: KRDS not recognized

Note: If the copier software DIPSW 12-6 (KRDS recognition) is not selected to "1", the menu of the KRDS can not be selected.

3. Initializing KRDS memory

- (1) Turn off the SW2 (sub power) when the SW1 (main power) remains on.
- (2) Turn on the SW2 (sub power) while holding down [4] and [7] of the copy quantity setting buttons simultaneously.
- ③ (3) Press the start print button after pressing the copy quantity setting button [1], [5] and [*] button, then [9], [8], finally [*] button again.

```
I/O check mode
< 15 - 98 > IN: -- OUT: NOW
```

- (4) "NOW" indication will be changed to "FIN" on the message display.
- (5) Turn off the SW2 (sub power).

4. Setting KRDS software SW

This function allows adjustment of the KRDS software switches.

Note: Adjust the software switch while checking the switch and bit number since the memory is rewritten every time the bit data (1 or 0) is changed.

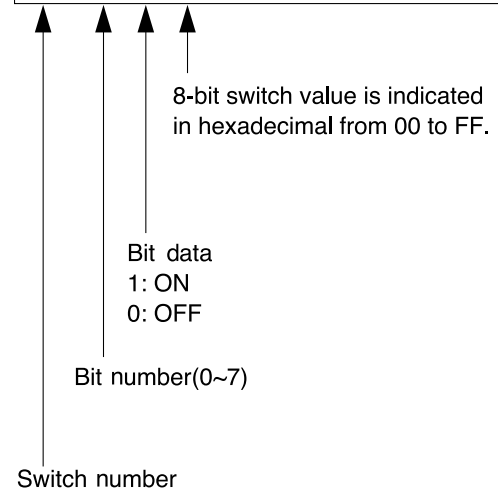
Any bit data that has been incorrectly changed must be returned to the original data.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [9. KRDS setting] key.
3	[KRDS setting menu screen] Press the [4. KRDS software SW set] key.
4	[KRDS software SW set screen] Use the [▲] or [▼] keys to set the switch number. (Refer to *1)
5	Use the [▲] or [▼] keys to set the bit number. (Refer to *1)
6	Press the [ON] of [OFF] key to set the bit data.
7	Press the [RETURN] key to end the setting.

*1:

- The bit of the switch is written in the non-volatile memory every time it is changed.
- The numbers shown in the message area are defined as follows:

```
KRDS software SW set
01 - 0 : 0 F0
```



For each switch function, refer to "List of KRDS Software DIP SW".

5. Setting type of modem and line

- (1) Using the switch No. 01, enter the modem and line data into the bits 0 to 7, referring to the following table.

<If telephone line type is "Pulse">

Modem initialization command \ Bit No.	7	6	5	4	3	2	1	0	*
AT&FE0Q0V1X0S0=1&S0	0	0	0	0	0	0	0	1	01
AT&FE0Q0V1X0S0=1&S0&D2&C1	0	0	0	0	0	0	1	0	02
AT&FE0Q0V1X0S0=1&S0%E0	0	0	0	0	0	0	1	1	03
AT&FE0Q0V1X0S0=1&S0&D2	0	0	0	0	0	1	0	0	04
AT&FE0Q0V1X0S0=1&S0&M5	0	0	0	0	0	1	0	1	05
AT&FE0Q0V1X0S0=1	0	0	0	0	0	1	1	0	06
AT&FE0Q0V1X0S0=1&S0\N5	0	0	0	0	0	1	1	1	07

<If telephone line type is "Tone">

Modem initialization command \ Bit No.	7	6	5	4	3	2	1	0	*
AT&FE0Q0V1X0S0=1&S0	1	0	0	0	0	0	0	1	81
AT&FE0Q0V1X0S0=1&S0&D2&C1	1	0	0	0	0	0	1	0	82
AT&FE0Q0V1X0S0=1&S0%E0	1	0	0	0	0	0	1	1	83
AT&FE0Q0V1X0S0=1&S0&D2	1	0	0	0	0	1	0	0	84
AT&FE0Q0V1X0S0=1&S0&M5	1	0	0	0	0	1	0	1	85
AT&FE0Q0V1X0S0=1	1	0	0	0	0	1	1	0	86
AT&FE0Q0V1X0S0=1&S0\N5	1	0	0	0	0	1	1	1	87

Example:

If the initialization command for the modem you are using is AT&FE0Q0V1X0S0=1&S0 and you have a pulse-dial telephone line, enter the data for bits 7 to 0 as 00000001:

In hexadecimal <*>, the value is expressed as 01. Be sure to verify with the above charts whether or not the hexadecimal <*> output corresponds with the model being used.

Reference:

This machine has a telephone (modem) line type automatic recognition setting function.

KRDS Software DIP SW:

Switch No.38 and bit No.0

Data 0: off (manual setting)

1: on (line type automatic recognition) (default)

As a result, if this switch is at "1", Bit No. 7 of Switch No. 1 can be either "0" or "1".

(2) List of KRDS Software DIP SW

█: Default value

No.		Function	Function							LSB	Description	Default value (Hexadecimal)		
byte	bit		MSB	7	6	5	4	3	2				1	0
1	0-6	Select modem	█	0	0	0	0	0	0	0	0	No setting (No data is sent to modem.)	81 (*)	
			█	0	0	0	0	0	0	0	1	AT&FE0Q0V1X0S0=1&S0		
			█	0	0	0	0	0	0	1	0	AT&FE0Q0V1X0S0=1&S0&D2&C1		
			█	0	0	0	0	0	0	1	1	AT&FE0Q0V1X0S0=1&S0%E0		
			█	0	0	0	0	0	0	0	0	AT&FE0Q0V1X0S0=1&S0&D2		
			█	0	0	0	0	0	0	0	1	AT&FE0Q0V1X0S0=1&S0&M5		
			█	0	0	0	0	0	1	1	0	AT&FE0Q0V1X0S0=1		
			█	0	0	0	0	0	1	1	1	AT&FE0Q0V1X0S0=1&S0\N5		
			█	1	1	1	1	1	1	1	1	Manual setting (3 to 24 byte data is sent to modem.)		
	7	Dial mode	0	█	█	█	█	█	█	█	█	Pulse dial		
1			█	█	█	█	█	█	█	█	Tone dial			
2	0	Data character length	█	█	█	█	█	█	█	█	█		81 (*)	
			█	█	█	█	█	█	█	█	1	8 bit (fixed)		
	1-2	Parity and stop bit	█	█	█	█	█	█	█	0	0	No parity, stop bit 1 (fixed)		
			█	█	█	█	█	█	█	█	█	Even number of parity, stop bit 1		
			█	█	█	█	█	█	█	█	█	Odd number of parity, stop bit 1		
			█	█	█	█	█	█	█	█	█	No parity, stop bit 2		
	3	Reserved	█	█	█	█	█	█	█	█	█	Don't care		
	4-7	Baud rate	0	0	1	1	█	█	█	█	█	█		1200 bps
			0	1	0	0	█	█	█	█	█	█		2400 bps
			0	1	0	1	█	█	█	█	█	█		4800 bps
			0	1	1	0	█	█	█	█	█	█		9600 bps
			0	1	1	1	█	█	█	█	█	█		19200 bps
			1	0	0	0	█	█	█	█	█	█		38400 bps
1			0	0	1	█	█	█	█	█	█	57600 bps		
1	0	1	0	█	█	█	█	█	█	115200 bps				
3	0	Local echo	█	█	█	█	█	█	█	█	█	No setting	57 (*)	
			█	█	█	█	█	█	█	█	1	E0: When modem can receive commands, it does not echo back data sent from PC's (Copiers)		
	1	Result code	█	█	█	█	█	█	█	0	█	No setting		
			█	█	█	█	█	█	█	█	1	█		Q0: Exist (Returns result code.)
	2	Result code form (displayed result)	█	█	█	█	█	█	0	█	█	No setting		
			█	█	█	█	█	█	█	1	█	█		V1: Word (Returns result code in English.)
	3	Set DCD signal operation (carrier detect)	█	█	█	█	█	█	0	█	█	No setting		
			█	█	█	█	█	█	█	1	█	█		&C1: ON only when the carrier is detected.
	4-5	Set DSR signal operation	█	█	0	0	█	█	█	█	█	No setting		
			█	█	0	1	█	█	█	█	█	&S0: Always ON (Modem can send and receive.)		
█			█	1	0	█	█	█	█	█	&S1: ON during online			
█			█	1	1	█	█	█	█	█	&S2			

Note: In FAX-KRDS, items with the * mark are disregarded (invalid).

No.	Function		Function								Description	Default value (Hexadecimal)			
			MSB							LSB					
byte	bit		7	6	5	4	3	2	1	0					
3	6	Check DSR signal		0								off	57 (*)		
				1								on			
	7	Check DCD signal		0								off (fixed)			
				1								on			
4	0-1	Set DTR signal operation							0	0		No setting	10 (*)		
										0	1			&D0	
											1	0			&D1
												1		1	&D2
	2-3	Speaker control	⚠					0	0					No setting	
								0	1					M0: Always OFF	
								1	0						M1: ON until communication starts
								1	1						M2: Always ON
	4-6	Display speed when connection is completed and dial/busy tone is detected. ⚠	⚠		0	0	0							No setting	
					0	0	1								X0: No indication of communication speed
					0	1	0								X1: Indication of communication speed; Detect no dial/busy tone
					0	1	1								X2: Indication of communication speed; Detect dial tone
					1	0	0								X3: Indication of communication speed; Detect busy tone
					1	0	1								X4: Indication of communication speed; Detect dial and busy tone
					1	1	0								No setting
					1	1	1								No setting
7	Reset modem (This is set prior to shipping.)		0								No setting				
			1								&F: This is set prior to shipping.				
5	0-7	Arbitrary command registration area 1 (ASCII data)										00 (*)			
6	0-7														
7	0-7														
8	0-7		Arbitrary command registration area 2 (ASCII data)												
9	0-7														
10	0-7														
11	0-7														
12	0-7		Arbitrary command registration area 3 (ASCII data)												
13	0-7														
14	0-7	Arbitrary command registration area 4													
15	0-7														
16	0-7	Command free setting													
17	0	Set S register (bit 0 - 7)								0	No setting	01 (*)			
										1	S0=: Effective data				
	1	S6: Wait time from off hook to dial start								0	No setting				
										1	S6=: Effective data				
	2	S7: Off hook limit timer								0	No setting				
										1	S7=: Effective data				

No. byte	bit	Function	Function							LSB	Description	Default value (Hexadecimal)
			7	6	5	4	3	2	1				0
17 ③	3	S8: Pause time (Dial stop time (sec.))					0				No setting	01 (*)
							1				S8=: Effective data	
	4	S9: Carrier recognize time				0					No setting	
						1					S9=: Effective data	
	5	S10: Allowable carrier stop time			0						No setting	
					1						S10=: Effective data	
	6	S11		0							No setting	
			1							S11=: Effective data		
7	Reserved	Don't care										
18		S0 data (No. of times data was received automatically)					00 - FFH			01H (1)	01 (*)	
19		S6 data (Wait time until dialing starts.)					00 - FFH			03H (3)	03 (*)	
20		S7 data (Wait time until carrier detect)					00 - FFH			1EH (30)	1E (*)	
21		S8 data (Pause time)					00 - FFH			03H (3)	03 (*)	
22		S9 data (Carrier detection time)					00 - FFH			06H (6)	06 (*)	
23		S10 data (Carrier disconnection detection time)					00 - FFH			0EH (14)	0E (*)	
24		S11 data					00 - FFH			5FH(95)	5F (*)	
25		Timer 1 (Ring reception→ Connect reception)					00 - FFH			20H (32) x 1sec	20 (*)	
26		Timer 2 (Dial call end → Connect reception)					00 - FFH			40H (64) x 1sec	40 (*)	
27		Timer 3					00 - FFH			0AH (10) x 100ms	0A (*)	
28		Timer 4 (Line Connect → Send Start-up message request)					00 - FFH			20H (32) x 100ms	20 (*)	
29		Timer 5 (Opposite Party Signal answer wait time)					00 - FFH			1EH (30) x 1sec	1E (*)	
30		Retry data; Timer 6 (Initialization OK →Dial call)					00 - FFH			FFH (255) x 5ms	FF (*)	
31 ③	0	Call when SC error occurs								0	disable	99
											1		enable
	1	Call specify date								0	disable	
											1		enable
	2	Call parts replace date								0	disable	
											1		enable
	3	Call drum replace date					0				disable	
							1				enable	
	4	Call regular service date				0					disable	
						1					enable	
	5	Reserved			Don't care							

No.		Function	Function							LSB	Description	Default value (Hexadecimal)			
byte	bit		7	6	5	4	3	2	1				0		
31	6	Call regular transmit date	0								disable	99			
			1								enable				
	7	Select regular transmit (Time and count)	0								time				
			1								counter				
32	0	Call when optional configura- tion is changed								0	disable	00			
											1		enable		
	1	Report of toner replenishment								0	disable				
											1		enable		
	2	Report of JAM occur frequently								0	disable				
											1		enable		
	3-7		Reserved ³	Don't care											
33	0	Set up flag									0	not yet	0A		
												1		finished	
	1-2	Redial interval								0	0	1 min.			
										0	1	3 min.			
										1	0	5 min.			
										1	1	7 min.			
	3-4	Redial count				0	0					0			
						0	1					5			
						1	0					10			
						1	1					No limit			
	5-6		Reserved	Don't care										(*)	
	7	Line feed control (when initializing modem)	0									CR/LF: LF exist		(*)	
			1									CR: No LF		(*)	
34	0-1	Call JAM date (main body) Valid copy quantity								0	0	Copy quantity: level 1	55		
											0	1		Copy quantity: level 2	
												1		0	Copy quantity: level 3
												1		1	Copy quantity: level 4
	2-3	Call ADF JAM date Valid original feed quantity					0	0				Original feed quantity: level 1			
							0	1				Original feed quantity: level 2			
							1	0				Original feed quantity: level 3			
							1	1				Original feed quantity: level 4			
	4-5	Call JAM date MCBJ setting			0	0						MCBJ: level 1			
					0	1						MCBJ: level 2			
					1	0						MCBJ: level 3			
					1	1						MCBJ: level 4			
	6-7	Call JAM date MOBJ setting	0	0								MOBJ: level 1			
			0	1								MOBJ: level 2			
			1	0								MOBJ: level 3			
			1	1								MOBJ: level 4			
35	Reserved											00			
36	Reserved														
37	Reserved														

No.	Function	MSB	Bit pattern							LSB	Description	Default value (Hexadecimal)	
			7	6	5	4	3	2	1				0
38	Line type automatic recognition									0	off	88 (*)	
										1	on		
	1	MSAD connection								0	not connect		
										1	connect		
	2	KRDS communication mode (Note 1)								0	DATA (Using a modem)		
										1	FAX		
	3-5	Reserved			Don't care								
	6	PM limit data length		0									Upper 2-digit fixed (for host)
			1								All 6-digit (for host)		
7	Regular transmit communication Sequence control	0									Call back communication		
		1									No call back communication		
39	0-1	Reserved								Don't care		00	
	2	RS-232 line error K01_XX (Note 2)							0		copy enable		
									1		copy disable		
	3	Modem AT command error K02_XX (Note 2)							0		copy enable		
									1		copy disable		
	4	Reserved				Don't care							
	5	Force copy stop (at host side) (Note 3)			0								disable
				1							enable		
6-7	Reserved	Don't care											
40	0	Force copy stop (Note 3) (at terminal equipment side)								0	disable	00	
										1	enable		
	1	Jam history data clear								0	disable		
										1	enable		
	2-5	Reserved			Don't care								
	6	User data access setting (local) (Note 4)		0									Prohibition
				1									Permission
7	Reserved	0											

Note 1: KRDS Communications Mode (38 Byte, 2 bit) : This bit is set on "1" when the FAX option is connected and when the KRDS memory initialization operation is performed.

Note 2: For details of errors, refer to [10] Error code table.

Note 3: Copy prohibition: If DIP SWs 39-5 and 40-0 are both set to 1, then it becomes impossible to copy.

Note 4: There are three types of user data, speed dial data, programmed dial data and group dial data. Normally, due to maintenance of the confidentiality of user data, access to these data by service personnel is, as a rule, prohibited. If for any reason, access is necessary using KRDS, this switch can be changed to '1', then access will be enabled. In this case, change the settings after obtaining the agreement of the customer.

6. Setting host password

This function sets the host password.

(1) Screen selection

Select the [9. KRDS setting] key in the 25 mode menu screen to display the KRDS setting menu screen as an initial screen.

Then select the [2. Host password set] key to display the host password setting screen.

(2) Setting method

a. Three patterns can be used to set KRDS host password. The entry screen, screen contents and setting method for each pattern are all the same. Each message, however, is different.

(There are only 2 patterns for a usable password.)

b. Press the [NEXT] or [BACK] key to 2change the screen.

c. Enter the host password, 5-digit number or alphabet, with the numeric keys on the screen and press the [SET] key.

d. The firstly entered number or alphabet will be shifted to the left end.

e. After inputting the password, it the [NEXT], [BACK] or [RETURN] key is pressed before pressing the key, the data that has been entered is canceled.

f. Press the [SET] key, and then press the [RETURN] key to set the entered password. The screen will return to the KRDS setting menu screen.

* As the host password is set to "00000" in factory setting, ensure to change it to the password which was set by the KRDS host application for communication.

Confirm the password of host side with KRDS host application administrator.

* Note that the host password setting (Host 1) must be performed.

* See the [5] Calling time set menu mode (Arbitrary) concerning "Host 2" settings.

* Do not care "Host 3."

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [9. KRDS setting] key.
3	[KRDS setting menu screen] Press the [2. Host password set] key.
4	[Host password setting screen] Enter password consisting of number and alphabet.
5	Press the [NEXT] or [BACK] key to change the screen, then enter password (up to 2 patterns).
6	Press the [SET] key.
7	Press the [RETURN] key to end the setting.

7. Setting the KRDS telephone number

This function sets copier for KRDS and host telephone number.

(1) Screen selection

Select the [9. KRDS setting] key in the 25 mode menu screen to display the KRDS setting menu screen as an initial screen.

Then select the [3. KRDS TEL No. Setting] key to display the KRDS TEL NO setting screen.

(2) Setting method

- a. Three patterns can be used to set KRDS phone number. The entry screen, screen contents and setting method for each pattern are all the same. Each screen, however, is different.
- b. Press the [NEXT] or [BACK] key to change the screen.
- c. Enter the telephone number, 15-digit or less number, with the numeric keys on the screen and press the [SET] key.
- d. The entered number is displayed in the cursor section displayed in the line 2 of the message display area. The cursor shifts from left to right according to the entered.
If more than 15 digit is entered, the number of the 15 digit is rewritten.
- e. To reenter the telephone number, press the Stop/clear button to clear the data then enter the correct number.
- f. If you wish to change the number of an arbitrary position, press the [<<] or [>>] key to move the cursor to the desired position and reenter.
- g. No data has been set for the second row of the message area prior to shipping.

h. The keys except the numeric keys are defined as follows:

[,] Pause:

Wait temporarily for self-dial feed. (2-3 sec.)

[W] Wait:

Wait for dial tone such as asynchronous, etc. (excluding sound guidance).

[T] Tone Dial:

Indicate tone dial after this symbol

[P] Pulse Dial:

Indicate pulse dial after this symbol

[-] Symbol to divide numbers:

(This symbol is ignored when dialing.)


[.], [#], [*]:

Use these keys as required such extension number.

i. After inputting the password, if the [NEXT], [BACK] or [RETURN] key is pressed before pressing the [SET] key, the data that has been entered is canceled.

j. Press the [SET] key, and then press the [BACK] key to set the entered number. The screen will return to the KRDS setting menu screen.

* Note that the telephone number setting (copier) and telephone number setting (Host1) must be performed.

 Refer to [5] Calling time set menu mode (Arbitrary) for the (Host 2).

• Do not care "Host 3."

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [9. KRDS setting] key.
3	[KRDS setting menu screen] Press the [3. KRDS TEL No. setting] key.
4	[KRDS TEL No. setting screen] Enter telephone number (15-digit or less) consisting of number and alphabet with numeric keys.
5	Press the [NEXT] or [BACK] key to change the screen, then telephone number (up to 3 patterns).
6	Press the [SET] key.
7	Press the [RETURN] key to end the setting.

8. Calling KRDS set up

<Auto set up>

In the host call setting, call the designated host computer in the set date and time, and transmit each data of the copier. Refer to the separate KRDS Host Application Manual for details of the data being handled.

(1) Screen selection

Select the [9. KRDS setting] in the 25 mode menu screen to display the KRDS setting menu screen.

Then select the [4. KRDS software SW set] to display the KRDS software SW set screen.

Check that the software DIP SW 33-0 is set to "0". After checking, press the [RETURN] key to return to the KRDS setting menu screen.

On the KRDS setting menu screen, select the [5. KRDS Setup calling] to display the calling host for setup screen.

Note: If the KRDS software DIPSW 33-0 (Set up flag) is not selected to "0" (not yet). The KRDS setup calling screen can not be selected.

(2) Setting method

a. Press the [Start] key in the screen.

(a) Communication message

Calling the host for setup
Communicating

Note: Do not turn OFF the power during communication.

(b) Completion message

Calling the host for setup
Communication completed

b. Turn off the power if no completion message is displayed in ten minutes.

Check that the host computer starting up correct, host phone number, cable connection, etc. then open to calling the host for setup screen again to press the [Start] key.

c. Turn off the power to end the operation.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [9. KRDS setting] key.
3	[KRDS setting menu screen] Press the [4. KRDS software SW set] key.
4	[KRDS software SW set screen] Use the [▲], [▼] key to select the switch number to "33" and bit number "0".
5	Check that bit data indicates "0". If not, set to "0" to press the [OFF] key.
6	Press the [RETURN] key to return to the KRDS setting menu screen.
7	[KRDS setting menu screen] Press the [5. KRDS Setup calling] key.
8	[Calling the host for setup screen] Press the [Start] key. Check the message on the screen.
9	Turn off the power to end the operation.

- How to confirm the completion of setup

Confirm the data at bit No. 0 of address 33 in reference to "4. Setting KRDS software DIP SW."

If "0", setup is not completed.

If "1", setup is completed.

<Manual set up>

This copier machine can be set up manually, other than the automatical setup as explained above. (The setup is effective when both the copier and the host have completed the setup action.)

- Operation for the copier machine
 1. Switch on the power of modem.
 2. Set the address No. 33 as referring to "4. Setting KRDS software DIP SW."
 3. Change the data of bit No. 0 from 0 to 1.
 - 0: Set up not completed
 - 1: Set up completed
 4. Establish the changed data by pressing the copy button.
 5. Switch off the power of main body.
- Operation for the host computer

For the operation of the host computer, refer to the KRDS Host Application Administrator's Manual.

[5] Calling Time Set Menu Mode (Arbitrary)

Select the [9. KRDS setting] key in the 25 mode menu screen to display the KRDS setting menu screen as an initial screen.

Then select the [1. Calling time set] key to display the calling time set menu screen.

Calling time set menu

1. Calling mode-1
2. Calling mode-2
3. Calling mode-3

Press the [RETURN] key to exit the calling time set menu screen and return to the KRDS setting screen.

- * This host calling setting calls everything to the "Host 2".
Therefore, it is necessary first to set the "Host 2" telephone No. and host password.

1. Setting calling time setting mode

This function sets designated date calling.

(1) Screen selection

Select the [1. Calling mode-1] (Setting designated date calling setting) in the calling time set menu screen to display the calling mode-1 (designated date calling) setting screen.

Press the [RETURN] key to exit the calling mode-1 (designated date calling) setting screen and return to the calling time set menu screen.

(2) Entering method

- a. Enter year, month, day and time using the numeric keys.
- b. The cursor that indicates entering position will be appeared in the message indication area at line 2.
- c. Using the [←], [→] key and move the cursor to desired position.
- d. If reenter the entered data, press the Stop/clear button to clear the entered data then enter the data again.
- e. Enter year, month, day and time using the numeric keys, then press the [SET] key.
- f. Enter year, month, day and time as follows.
 - The year is entered by inputting 4-digit in the Christian era.
 - The month and day are entered by inputting 2-digit number. (Example: 1 is entered as 01.)
 - The time is entered using 24 hour clock. (Example: 1:00p.m. is entered as 13.)
 - The minute is entered by inputting 2-digit number. (Example: 1 is entered as 01.)
 - Example:
at 1:00 p.m. of January 15, 1998 →
1998/01/15 13:00
- g. Press the [SET] key every time data for one item is entered and check the entered data.
- h. The screen will return to the calling time setting menu screen if the [RETURN] key is pressed without pressing the [SET] key. In this case, no entered data will be changed.

- i. Press the [SET] key, and then the [RETURN] key to end setting. The screen will return to the calling time set menu screen.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [9. KRDS setting] key.
3	[KRDS setting menu screen] Press the [1. Calling time set] key.
4	[Calling time set menu screen] Use the [1. Calling mode-1] (Setting designated date calling setting).
5	[Calling mode-1 (Designed date calling) setting screen] Enter year, month and day using the numeric key on the screen, then press the [<<], [>>] key to move the cursor to entering position of time.
6	Enter time and minute using the numeric keys on the screen, then press the [SET] key.
7	Press the [RETURN] to end the setting.

2. Setting regular date & time calling

The copier will call the host at the regular time specified.

(1) Screen selection

Select the [2. Calling mode-2] (regular data & time calling setting) in the calling time set menu screen to display the calling mode-2 (regular data & time calling) setting screen.

Press the [RETURN] key to exit the calling mode-2 (regular data & time calling) setting screen and return to the calling time set menu screen.

(2) Mode selecting method

- a. Select and press the desired mode in the [monthly], [weekly], [daily] keys.

There are three mode type (month, week, day) that can be set.

- b. The current selected mode is high lighted according to the mode key.

At this time, the setting contents will be appeared in the message indication area at line 2.

(3) Mode setting method

Perform the operation in each mode as follows:

a. Monthly mode

- (a) Using the numeric keys, enter the day, hour and minute.
- (b) Press the [SET] key to enter the input data.

b. If you wish to change the number of an arbitrary position, press the [<<] or [>>] key to move the cursor to the desired position and reenter.

c. If reenter the entered data, press the Stop/clear button to clear the entered data then enter the data again.

d. Weekly mode

(a) Using the numeric keys, enter the day of the week, hour and minute.

(b) The day of the week is entered using the numeric keys according to the following definitions.

- 1: Monday 2: Tuesday 3: Wednesday
- 4: Thursday 5: Friday 6: Saturday
- 7: Sunday

(c) Press the [SET] key to enter the input data.

e. Daily mode

(a) Using the numeric keys, enter the hour and minute.

(b) Press the [SET] key to enter the input data.

f. Common operation

(a) The screen will return to the calling time set menu screen if the [RETURN] key is pressed without pressing the [SET] key. In this case, no entered data will be changed.

(b) Press the [SET] key, and then the [RETURN] key to end setting. The screen will return to calling time set menu screen.

(c) Enter the number with the numeric keys as follows:

- The month and day are entered by inputting 2-digit number. (Example: 1 is entered as 01.)
- The time is entered using 24 hour clock. (Example: 1:00p.m. is entered as 13.)
- Example:

Monthly mode: 10 17:10

Weekly mode: day 17:10

Daily mode: 17:10

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [9. KRDS setting] key.
3	[KRDS setting menu screen] Press the [1. Calling time set] key.
4	[Calling time set menu screen] Use the [2. Calling mode-2] (regular time calling setting).
5	[Calling mode-2 (regular time calling) setting screen] Press the any key in [monthly], [weekly], [daily] keys.
6	Using the numeric keys on the screen, enter the day, hour and minute. (Item that can be input differs from depend on the mode.)
7	Press the [SET] key.
8	Press the [RETURN] to end the setting.

3. Setting regular count calling

The copier will call the host at the regular count specified.

(1) Screen selection

Select the [3. Calling mode-3] (regular count) in the calling time set menu screen to display the Calling mode-3 (regular count call) setting screen.

Press the [RETURN] key to exit the Calling mode-3 (Regular count call) setting screen and return to the calling time set menu screen.

(2) Setting method

- a. Using the numeric keys on the screen, enter 6-digit number, regular count value, then press the [SET] key.
- b. To reenter the entered data, press the Stop/clear button to clear the entered data then enter the data again.
- c. The entered numerical value is entered from the number of 4 digit. The number is displayed while shifting from right to left.
- d. The screen will return to the calling time set menu screen if the [RETURN] key is pressed without pressing the [SET] key. In this case, no entered data will be changed.
- e. Press the [SET] key then the [RETURN] key to end the setting. The screen will return to the calling time set menu screen.

[6] KRDS Host Call

If the machine is connected to a KRDS, it can call the host at the service center.

- a. Select the [JAM history] (JAM-related trouble call), [SC history] (SC-related trouble call), [No TONER], [No PAPER], [COPY QUALITY] (Copy quality-related trouble call) or [OTHER REASON] (Other call), depending upon the particular circumstances.

KRDS host menu

1. JAM history
 2. SC history
 3. NO TONER
 4. NO PAPER
 5. COPY QUALITY
 6. OTHER REASON
- b. When the [Start] key is pressed, the machine starts calling the host.

Caution: Do not turn OFF the power during communication.

Step	Operation procedure
1	Enter the 25 mode.
2	[25 mode menu screen] Press the [9. KRDS setting] key.
3	[KRDS setting menu screen] Press the [1. Calling time set] key.
4	[Calling time set menu screen] Use the [3. Calling mode-3] (regular count).
5	[Calling mode-3 (regular count call) setting screen] Using the numeric keys on the screen, enter number, regular count value, then press the [SET] key.
6	Press the [RETURN] to end the setting.

3 [7] Data to be Processed

- For the data that KRDS can process, refer to the Service HandBook for the copier, [4] Data Collection in the 25 mode “Adjustment.”
- You can refer to the data that KRDS can process. For detailed procedure, refer to the Service HandBook for the copier, [4] Data Collection in the 25 mode “Adjustment.”

3 [8] FAX KRDS Auto On Function

If the FAX option is installed, the FAX-KRDS mode automatically becomes effective when the main power is turned ON.

(Mode 25 \emptyset Software DIP SW12–6:1 (connected)

KRDS software DIP SW 38-2: Set on 1 (FAX).)

Even if the FAX option is installed, if the FAX KRDS function is not used, (if a modem is used), the above FAX KRDS auto on function is deactivated by changing the settings below.

However, in [8] “Setting the Serial number” in 25 Mode, if the “Destination” setting is DE: German, FAX KRDS mode does not become valid even if the FAX option is installed.

3 [9] A Point to Notice for Operation

Be sure to turn ON the main power of the copier if the modem power is turned OFF and ON with the main power OFF.

Reason: To initialize the modem.

(When the KRDS circuit is powered, it automatically initialized the modem following the modem power ON and OFF operations.

When the main power of the copier is OFF, however, the KRDS circuit is not powered and does not initialize the modem after the modem power ON and OFF operations.

Some types of modem cannot start communication with KRDS unless they are initialized by the KRDS.)

Step	Operation procedure
1	Enter the key operator mode.
2	[Key operator mode menu screen] Press the FAX setting key and display the FAX setting menu.
3	[FAX setting menu screen] Press the special setting key and display the password input screen.
4	Input the password [9] [2] [7] [2], then press the [OK] key.
5	[FAX setting menu screen] Press the nonvolatile parameters key.
6	[Nonvolatile parameter setting screen] Press the function parameters setting key.
7	Turn address 0E0138: bit 0 (Auto On/Off function for FAX KRDS) OFF. Refer to FK-101 Service Handbook for more detail.

3 [10] ASCII Code Table

ASCII is 1 byte code specified by ANSI.

It enables indication of control code, alphabet and number.

character	binary	hexa-decimal	character	binary	hexa-decimal	character	binary	hexa-decimal	character	binary	hexa-decimal
	0000:0000	0		0010:0000	20	@	0100:0000	40	'	0110:0000	60
SH	0000:0001	1	!	0010:0001	21	A	0100:0001	41	a	0110:0001	61
SX	0000:0010	2	"	0010:0010	22	B	0100:0010	42	b	0110:0010	62
EX	0000:0011	3	#	0010:0011	23	C	0100:0011	43	c	0110:0011	63
ET	0000:0100	4	\$	0010:0100	24	D	0100:0100	44	d	0110:0100	64
EQ	0000:0101	5	%	0010:0101	25	E	0100:0101	45	e	0110:0101	65
AK	0000:0110	6	&	0010:0110	26	F	0100:0110	46	f	0110:0110	66
BL	0000:0111	7	'	0010:0111	27	G	0100:0111	47	g	0110:0111	67
BS	0000:1000	8	(	0010:1000	28	H	0100:1000	48	h	0110:1000	68
HT	0000:1001	9	)	0010:1001	29	I	0100:1001	49	i	0110:1001	69
LF	0000:1010	A	*	0010:1010	2A	J	0100:1010	4A	j	0110:1010	6A
HM	0000:1011	B	+	0010:1011	2B	K	0100:1011	4B	k	0110:1011	6B
CL	0000:1100	C	,	0010:1100	2C	L	0100:1100	4C	l	0110:1100	6C
CR	0000:1101	D	-	0010:1101	2D	M	0100:1101	4D	m	0110:1101	6D
S0	0000:1110	E	.	0010:1110	2E	N	0100:1110	4E	n	0110:1110	6E
S1	0000:1111	F	/	0010:1111	2F	O	0100:1111	4F	o	0110:1111	6F
DE	0001:0000	10	0	0011:0000	30	O	0101:0000	50	p	0111:0000	70
D1	0001:0001	11	1	0011:0001	31	Q	0101:0001	51	q	0111:0001	71
D2	0001:0010	12	2	0011:0010	32	R	0101:0010	52	r	0111:0010	72
D3	0001:0011	13	3	0011:0011	33	S	0101:0011	53	s	0111:0011	73
D4	0001:0100	14	4	0011:0100	34	T	0101:0100	54	t	0111:0100	74
NK	0001:0101	15	5	0011:0101	35	U	0101:0101	55	u	0111:0101	75
SN	0001:0110	16	6	0011:0110	36	V	0101:0110	56	v	0111:0110	76
EB	0001:0111	17	7	0011:0111	37	W	0101:0111	57	w	0111:0111	77
CN	0001:1000	18	8	0011:1000	38	X	0101:1000	58	x	0111:1000	78
EM	0001:1001	19	9	0011:1001	39	Y	0101:1001	59	y	0111:1001	79
SB	0001:1010	1A	:	0011:1010	3A	Z	0101:1010	5A	z	0111:1010	7A
EC	0001:1011	1B	;	0011:1011	3B	[	0101:1011	5B	{	0111:1011	7B
→	0001:1100	1C	<	0011:1100	3C	¥	0101:1100	5C	|	0111:1100	7C
←	0001:1101	1D	=	0011:1101	3D	]	0101:1101	5D	}	0111:1101	7D
↑	0001:1110	1E	>	0011:1110	3E	^	0101:1110	5E	~	0111:1110	7E
↓	0001:1111	1F	?	0011:1111	3F	_	0101:1111	5F		0111:1111	7F

△ [11] Error Code Table


Error code	Contents	Countermeasure
△ K00_00	Connection NG. (NO CONNECT from modem, Time out.)	Redial, repeat reception standby.
K00_01	No response from other party. (No detection of start text from host after establishing connection.)	Redial, repeat reception standby.
K00_02	Because copying is taking place, it is impossible to write to the non-volatile memory and the line is cut.	Temporarily stop copying.
K00_03	Password does not match.	Check password.
K00_04	Serial number does not match.	Check serial number.
△ K00_05	Syntactical error. (When undefined commands or parameters come.)	Redial.
K00_06	Write-in indication on an item for which write-in is impossible.	Re-operation on host side.
K00_07	Unread item error.	Re-operation on host side.
K00_08	Signal reception time-out after detection other party response. (After communications of start text have ended.)	Redial.
△ K00_09	Serial number registration completed.	Check serial number.
K00_10	Communications error due to generation of carrier OFF. (NO CARRIER detected from the modem.)	Redial.
△ K00_11	Dial tone is not detected within 5 seconds after setting of x2 and x4 commands.	Check connection of telephone line.
K00_12	Busy signal detected.	Redial.
△ K00_13	No tone detected for 5 seconds after input of @ command.	Redial.
K01_00	DTR went to OFF or in OFF state.	Check modem power source. Check RS-232C cable connection.
K01_01	Cannot open RS-232C.	Turn power on copier OFF and ON.
K01_02	Cannot close RS-232C.	Turn power on copier OFF and ON.
K01_03	Response time-out from RS-232C task.	Check modem power source. Check RS-232C cable connection.
K02_00	AT command error.	Turn power on copier OFF and ON. Possibility of modem malfunction or software bug.
K02_01	Initializing NG (MODEM). Example: Modem initializing command no good.	Check modem power source. Check RS-232C cable connection.

blank



SERVICE

Main Precautions for Maintenance

1. Points to be confirmed before maintenance
Before starting maintenance, ask a user and collect information about troubles 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
 - 1) 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.
 - 2) When replacing a drum or a cleaning blade, refer to item of mounting/dismounting of a cleaning blade for doing a replacement work.
 4. After replacing a drum, be sure to reset a drum counter before image adjustment. After replacing developer, L detection adjustment must be conducted also.
 5. When maintenance is completed, be sure to reset the PM counter. Incidentally, a development counter is reset automatically in the course of L detection adjustment.
 6. When replacing a toner bottle, 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

4 1. 7020/7025/7030/7035/7022/7130/7135

Service item (cycles)		10	20	30	40	50	60	70	80	90	100	110
Main body	Maintenance (Every 100,000 copies or prints)	●	●	●	●	●	●	●	●	●	●	●
	Periodic check (I) (Every 200,000 copies or prints)		●		●		●		●		●	
	Periodic check (II) (Every 300,000 copies or prints)			●			●			●		
	Periodic check (III) (Every 400,000 copies or prints)				●				●			
	Periodic check (IV) (Every 600,000 copies or prints)						●					
DF-314	Maintenance (Every 100,000 copies or prints)	●	●	●	●	●	●	●	●	●	●	●
	Periodic check (Every 1,000,000 copies or prints)										●	
DB-409*/410 (LCT)	Maintenance (Every 100,000 copies or prints)	●	●	●	●	●	●	●	●	●	●	●
	Periodic check (Every 200,000 copies or prints)		●		●		●		●		●	
DB-209*/210 (2 Tray)	Maintenance (Every 100,000 copies or prints)	●	●	●	●	●	●	●	●	●	●	●
	Periodic check (Every 400,000 copies or prints)				●				●			
FS-107	Maintenance (Every 100,000 copies or prints)	●	●	●	●	●	●	●	●	●	●	●
	Periodic check (Every 600,000 copies or prints)						●					

4 * DB-209/DB-409 do not yet support 7035/7022/7130/7135.

[2] Maintenance Items

1. Main body (Every 100,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replac- ment	Supply	
1	Preparations	(1) Image check			●				
		(2) Exterior check			●				
2	Fixing unit	(1) Removal of fixing unit							
3	Reading section	(1) Original glass		●					Drum cleaner/cleaning pad
		(2) Original glass/1 (slit glass)		●					Drum cleaner/cleaning pad
		(3) Optics mirror/1 (lamp unit mirror)		●					Drum cleaner/cleaning pad
		(4) Optics mirror/2 (V-mirror)							Drum cleaner/cleaning pad
4	Paper feed unit	(1) Double feed prevention roller (upper)		●					Drum cleaner/cleaning pad
		(2) Feed roller		●					Drum cleaner/cleaning pad
		(3) Double feed prevention roller (lower)		●					Drum cleaner/cleaning pad
		(4) Paper dust removing brush		●					Blower brush/cleaning pad
5	Bypass feed unit	(1) By-pass reverse roller		●					Drum cleaner/cleaning pad
		(2) By-pass pickup roller		●					Drum cleaner/cleaning pad
		(3) By-pass conveyance roller		●					Drum cleaner/cleaning pad
6	Fixing unit	(1) Fixing claw		●					Drum cleaner/cleaning pad
		(2) Fixing sensor		●					Drum cleaner/cleaning pad
		(3) Fixing thermostat		●					Drum cleaner/cleaning pad
		(4) Fixing heat roller 26NA5303* (Other than 7035/7135) 26TA5303* (7035) 26YF5303* (7135)	1				●		
		(5) Fixing press roller 26NA5304* (Other than 7035/7135) 26TA5304* (7035/7135)	1				●		
		(6) Fixing web (Note 1) 26NA5343*(7020/25/30/35)	1				●		7020/25/30/35
		(7) Heat insulating sleeve/A 26NA5372*	2				●		
		(8) Heat insulating sleeve/B 26NA5373*	1				●		
		(9) Fixing cleaning roller (Note 1) 26NA5383*(7020/25/30/35)	1				●		
		(10) Install of fixing unit							

Note 1: For the 7022/7130/7135, these parts shall be replaced at the time of 200,000 copy counting.

It is recommended that you replace the entire cleaner assembly (26NA-540*) as a unit instead of replacing individual parts.

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replac- ment	Supply	
7	Main body	(1) Suction filter/A 40LA-318* (7135)					●		
		(2) Filter cover assembly (Note 2) 40LA-314* (7135)					●		
		(3) Internal cooling fan (FM4) Suction filter		●	●				Blower brush
8	Final check	(1) Toner bottle			●				
		(2) Check of W.U.T measurement			●				
		(3) Check of image adjustment			●				
		(4) Check of copy samples			●				
		(5) Fixing counter reset (Note 3) (7020/25/30/35)			●				
		(6) Reset of PM counter			●				
		(7) Check of leakage breaker			●				
		(8) Peripheral and exterior of the machine		●	●				Drum cleaner/cleaning pad

Note 2: For the 7022/7130/7135, these parts shall be replaced at the time of 600,000 copy counting.

Note 3: For the 7022/7130/7135, the counter is reset at 200,000 copies.

Remarks: ● and ◎ in the maintenance category denote the following.

Maintenance items with ● marking are compulsory. And, as for those with ◎, maintenance personnel is to decide whether or not replacement is necessary by checking the actual durable count.

SERVICE

2. DF-314 (Every 100,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replac- ment	Supply	
1	Inside the machine	(1) Registration sensor		●					Blower brush
		(2) Read sensor		●					Blower brush
		(3) Size detection sensors (at two locations)		●					Blower brush
		(4) Feeding roller		●					Drum cleaner/cleaning pad
		(5) Duple feed prevention roller		●					Drum cleaner/cleaning pad
		(6) Read roller		●					Water/cleaning pad Caution: Do not use alcohol.
		(7) Paper dust removing brush		●					Blower brush

3. DB (DB-209/210/409/410) (Every 100,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replac- ment	Supply	
1	Paper feed section	(1) Double feed prevention roller (upper)		●					Drum cleaner/cleaning pad
		(2) Feed roller		●					Drum cleaner/cleaning pad
		(3) Duple feed prevention roller (lower)		●					Drum cleaner/cleaning pad

4. FS-107 (Every 100,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replac- ment	Supply	
1	Conveyance section	(1) Conveyance drive roller/A		●					Drum cleaner/cleaning pad
		(2) Paper exit drive roller		●					Drum cleaner/cleaning pad

[3] Periodic Check Items (Main Body)

1. Periodic check (I) (Every 200,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replace- ment	Supply	
1	Drum unit	(1) Drum	1				●		Setting powder
		(2) Cleaning blade assembly 26NA-209* (7020/25/30) 26TA-209* (Other than 7020/25/35)	1				●		
		(3) Drum counter reset			●				
2	Charging corona unit	(1) Charging wire		●					Cotton swab
		(2) Charging control plate		●					Cleaning pad
3	Transfer/separation corona unit	(1) Corona wire		●					Cotton swab (Transfer/separation)
4	Developing section	(1) Developer (include the developing unit installing)	1				●		
		(2) L-detection adjustment			●				
5	Main body	(1) Ozone filter 26NA1017* (7020/25/30) 20WA1017* (7022/7130) 26TA1017* (7035/7135)	1 1				●		
		(2) Suction filter/A 26TA3111*(Other than 7020/25/35/7135)					●		
6	Fixing unit	(1) Separation claw 26NA5427*	6				●		
		(2) Fixing roller holder/Upper 26NA5371*	2				●		
		(3) Fixing roller holder/Lower 26NA5359*	2				●		
		(4) Fixing Web (Note 1) 26NA5343* (7022/7130/7135)	1				●		7022/7130/7135
		(5) Fixing cleaning roller (Note 1) 26NA5383* (7022/7130/7135)	1				●		7022/7130/7135
7	Final check	(1) Fixing counter reset (7022/7130/7135)			●				
		(2) Check of image adjustment			●				

Note 1: It is recommended that you replace the entire cleaner assembly (26NA-540*) as a unit instead of replacing individual parts.

SERVICE

2. Periodic check (II) (Every 300,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replac- ment	Supply	
1	Bypass feed	(1) By pass reverse roller 40AA-406*	1				◎		Actual durable count : 100,000
		(2) By pass pickup roller 26NA-428*	1				◎		Actual durable count : 100,000
		(3) By pass conveyance roller 40AA-425*	1				◎		Actual durable count : 100,000

3. Periodic check (III) (Every 400,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replac- ment	Supply	
1	Main body paper feed unit	(1) Feed rubber 26NA4009*	2				◎		Actual durable count : 200,000
		(2) Double feed prevention rubber/Upper 26NA4011*	2				◎		Actual durable count : 200,000
		(3) Double feed prevention rubber/Lower 26NA4012*	2				◎		Actual durable count : 200,000
2	Transfer/separation corona unit	(1) Transfer/separation corona unit 26NA-260*	1				●		
3	Fixing unit	(1) Fixing sensor 26NA8801*	1				●		
		(2) Fuse mounting plate assembly 26NA-535*	1				●		
		(3) Fixing heater /1 26N*8302* (Other than 7135)	1				●		
		(4) Fixing heater /2 26N*8303* (Other than 7135)	1				●		

4. Periodic check (IV) (Every 600,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replac- ment	Supply	
1	Developing unit	(1) Developing unit (Unit without developer) 26NA-300* (7020/25/30) 26TA-300* (Other than 7020/25/30)	1				●		
2	Drum unit	(2) Drum unit (Unit without drum) 26NA-990* (7020/25/30) 26WA-990* (Other than 7020/25/30)	1				●		
3	Main unit	(3) Filter cover assembly 26TA-314* (7022/7130/7035)	1				●		

[4] Periodic Check Items (Options)**1. RADF (DF-314) (Every 1,000,000 copies or prints)**

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replace- ment	Supply	
1	Paper feed section	(1) Paper feed roller/A 13GL4011*	1				◎		Actual durable count : 250,000
		(2) Double feed prevention roller/A assembly 13GL-405*	1				◎		Actual durable count : 250,000

- Above replacement standard estimating DF usage ratio is 25%.

2. DB (DB-409/410) (Every 200,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replace- ment	Supply	
1	Paper feed section	(1) Feed rubber 26NA4009*	1				●		
		(2) Double feed prevention rubber/Upper 26NA4011*	1				●		
		(3) Double feed prevention rubber/Lower 26NA4012*	1				●		

3. DB (DB-209/210) (Every 400,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replace- ment	Supply	
1	Paper feed section	(1) Feed rubber 26NA4009*	2				◎		Actual durable count : 200,000
		(2) Double feed prevention rubber/Upper 26NA4011*	2				◎		Actual durable count : 200,000
		(3) Double feed prevention rubber/Lower 26NA4012*	2				◎		Actual durable count : 200,000

4. FNS (FS-107) (Every 600,000 copies or prints)

No.	Classification	Service item	Number of parts replaced	Implementation classification					Material used Tools used, etc.
				Cleaning	Check	Lubri- cation	Replace- ment	Supply	
1	Paper exit section	(1) Exit roller/A 13GQ4519*	1				●		

[5] List of Actual Durable Counters for Replacement Parts

7020/25/30	Other than 7020/25/30	Unit	Parts name	Parts No.				Actual durable count	
				7020/25/30	7035	Other than 7020/25/30/35/7135	7135		
1	1	DC (including changing corona unit)	Drum	Ñ	Ñ	Ñ	Ñ	200,000	
2	2		Cleaning blade assembly	26NA-209*	26TA-209*	←	←	200,000	
3	3		Drum unit	26NA-990*	26WA-990*	←	←	600,000	
4	4	Transfer separation corona unit	Transfer separation corona unit	26NA-260*	←	←	←	400,000	
5	5	Developing unit	Developer	Ñ	Ñ	Ñ	Ñ	200,000	
6	6		Developing unit	26NA-300*	26TA-300*	←	←	600,000	
7	7	Main body	Ozone filter	26NA1017*	26TA1017*	26WA1017*	26TA1017*	200,000	
8	8		Suction filter/A (7035 only)	Ñ	26TA3111*	←	40LA-318*	200,000 Note4	
9	9		Filter cover assembly (7035 only)	Ñ	26TA-314*	←	40LA-314*	600,000 Note4	
8	10	Main body paper feed unit	(Tray1) Feed rubber	26NA4009*	←	←	←	200,000	
9	11		(Tray1) Double feed prevention rubber/Upper	26NA4011*	←	←	←	200,000	
10	12		(Tray1) Double feed prevention rubber/Lower	26NA4012*	←	←	←	200,000	
11	13		(Tray2) Feed rubber	26NA4009*	←	←	←	200,000	
12	14		(Tray2) Double feed prevention rubber/Upper	26NA4011*	←	←	←	200,000	
13	15		(Tray2) Double feed prevention rubber/Lower	26NA4012*	←	←	←	200,000	
14	16		DB (Tray3 or LCT) paper feed unit	(Tray3 or LCT) DB feed rubber	26NA4009*	←	←	←	200,000
15	17			(Tray3 or LCT) DB double feed prevention rubber/Upper	26NA4011*	←	←	←	200,000
16	18			(Tray3 or LCT) DB double feed prevention rubber/Lower	26NA4012*	←	←	←	200,000
17	19		DB (Tray4) paper feed unit	(Tray4) DB feed rubber	26NA4009*	←	←	←	200,000
18	20	(Tray4) DB double feed prevention rubber/Upper		26NA4011*	←	←	←	200,000	
19	21	(Tray4) DB double feed prevention rubber/Lower		26NA4012*	←	←	←	200,000	
20	22	By-pass feed unit	By-pass reverse roller	40AA-406*	←	←	←	100,000	
21	23		By-pass pick up roller	26NA-428*	←	←	←	100,000	
22	24		By-pass conveyance roller	40AA-425*	←	←	←	100,000	
23	25	Fixing unit	Fixing heat roller	26NA5303*	26TA5303*	26NA5303*	26YF5303*	100,000	
24	26		Fixing pressure roller	26NA5304*	26TA5304*	26NA5304*	26TA5304*	100,000	
25	27		Fixing web	26NA5343*	←	←	←	100,000 Note2	
26	28		Heat insulating sleeve/A	26NA5372*	←	←	←	100,000	
27	29		Heat insulating sleeve/B	26NA5373*	←	←	←	100,000	
28	30		Fixing cleaning roller	26NA5383*	←	←	←	100,000 Note2	
29	31		(Cleaner assembly) Note 3	(26NA-540*)	(26TA-540*)	(26NA-540*)	(26TA-540*)	100,000 Note2	
30	32		Fixing claw	26AA5427*	←	←	←	200,000	
31	33		Fixing roller holder/Upper	26NA5371*	←	←	←	200,000	
32	34		Fixing roller holder/Lower	26NA5359*	←	←	←	200,000	
33	35		Fixing sensor	26NA8801*	←	←	←	400,000	
34	36		Fuse mounting plate assembly	26NA-535*	←	←	←	400,000	
35	37	Fixing heater/1	26**8302*	←	←	26N*8302*	400,000		
36	38	Fixing heater/2	26**8303*	←	←	26N*8303*	400,000		
37	39	DF-314	Paper feed roller/A	13GL4011*	←	←	←	250,000	
38	40		Double feed prevention roller/A assembly	13GL-405*	←	←	←	250,000	
39	41	FS-107	Paper exit roller/A	13GQ4519*	←	←	←	600,000	

Note 1: * Parts varies depending on the spec. (destination), and the 9th digit will be changed in accordance with the design change of the parts.

Note 2: Becomes 200,000 for machines other than 7020/25/30/35/7135.

Note 3: It is recommended that you replace the "cleaner assembly" instead of the "fixing web" and the "fixing cleaning roller".

Note 4: Becomes 100,000 for 7135.

[6] 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:

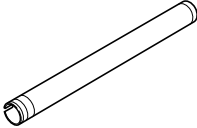
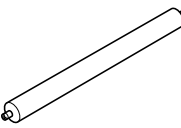
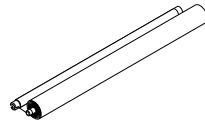
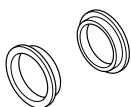

No.	Unit classification	Parts name	Parts No	Qty
1	Fixing unit	Fuse mounting plate assembly	SP00-0110	1

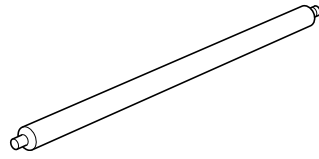
- "SP" is indicated in front of the parts number of the important maintenance part. Exercise care when installing the parts according to precautions in "3. DISASSEMBLY/ASSEMBLY".

COPY MATERIALS

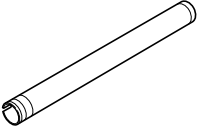
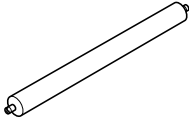


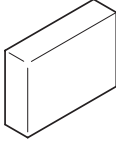
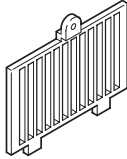
[1] PM Parts Kit

1. 7020/25/30/35 (100,000 copies/kit)

Name	Quantity
Fixing heat roller 	1
Fixing pressure roller 	1
Fixing web 	1
Heat insulating sleeve/A 	2
Heat insulating sleeve/B 	1

Name	Quantity
Fixing cleaning roller 	1

2. 7022/7130/7135 (100,000 copies/kit)

Name	Quantity
Fixing heat roller 	1
Fixing pressure roller 	1
Heat insulating sleeve/A 	2
Heat insulating sleeve/B 	1
Suction filter /A (7135 only) (Note) 	1
Filter cover assembly (7135 only) 	1

Note: Check the installing directions referring to "Assembly/Disassembly - External Section".

[2] Consumables (Single Unit Supply)

1. 7020/25/30/35



Name	Durability/copies
Toner bottle	26,000
Developer	200,000
Drum	200,000

2. 7022/7130/7135

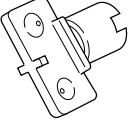
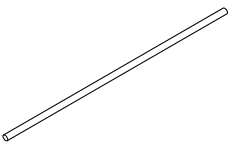


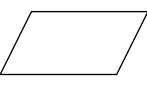

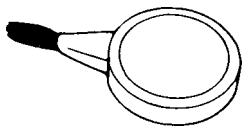
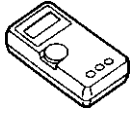
Name	Durability/copies
Toner bottle	29,391
Developer	200,000
Drum	200,000

SERVICE MATERIALS LIST

[1] Maintenance Kit Composition

Material No.	Description	Shape	Remark
000V-19-0	Setting powder	 25 g	
00GR00210	Solvest 240		

SPECIAL TOOLS LIST

Tool No.	Description	Shape	Quantity	Remark
26NA21340	Drum rotation material		1	Mounted on the drum unit.
26NAJG011	Mirror positioning jig		2	
00VD-5000	New pyramid chart		1	
120A97110	ADJ chart		1	
120A97120	White chart		1	
00VC-2-00	Drum cover		1	
00VD-1000	Blower brush		1	
00VE-1004	Tester		1	

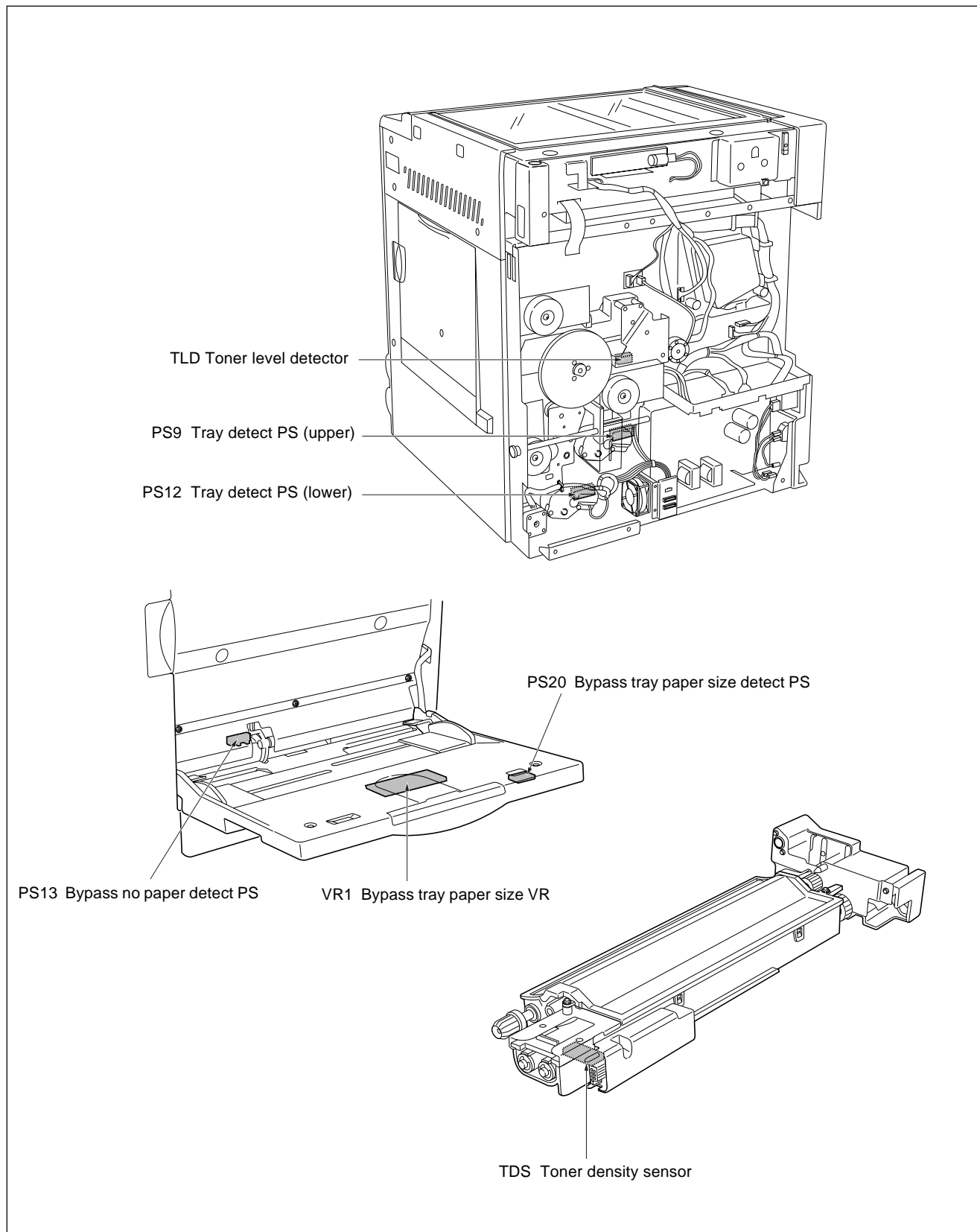
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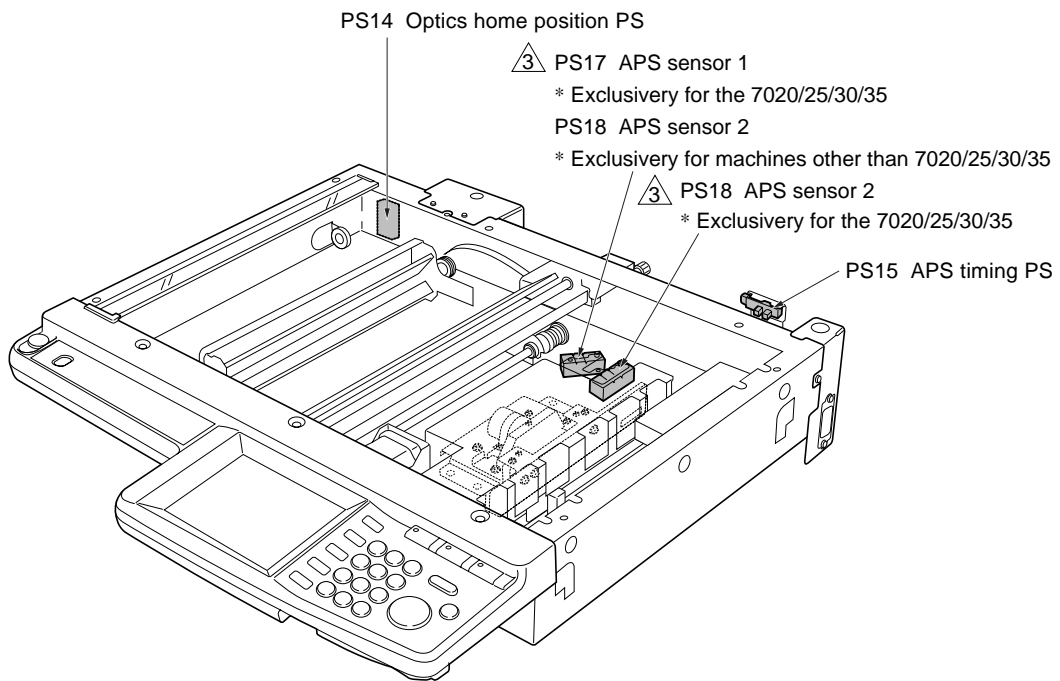
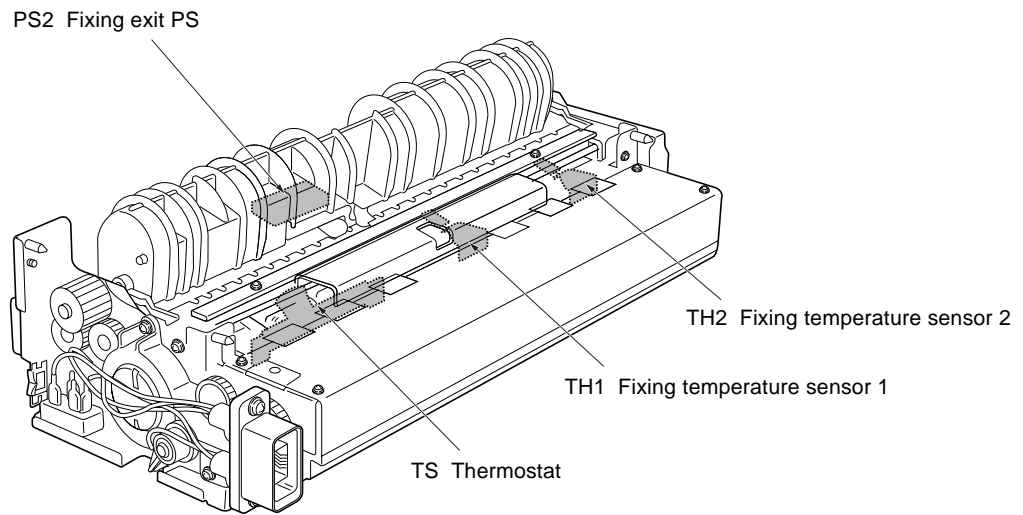


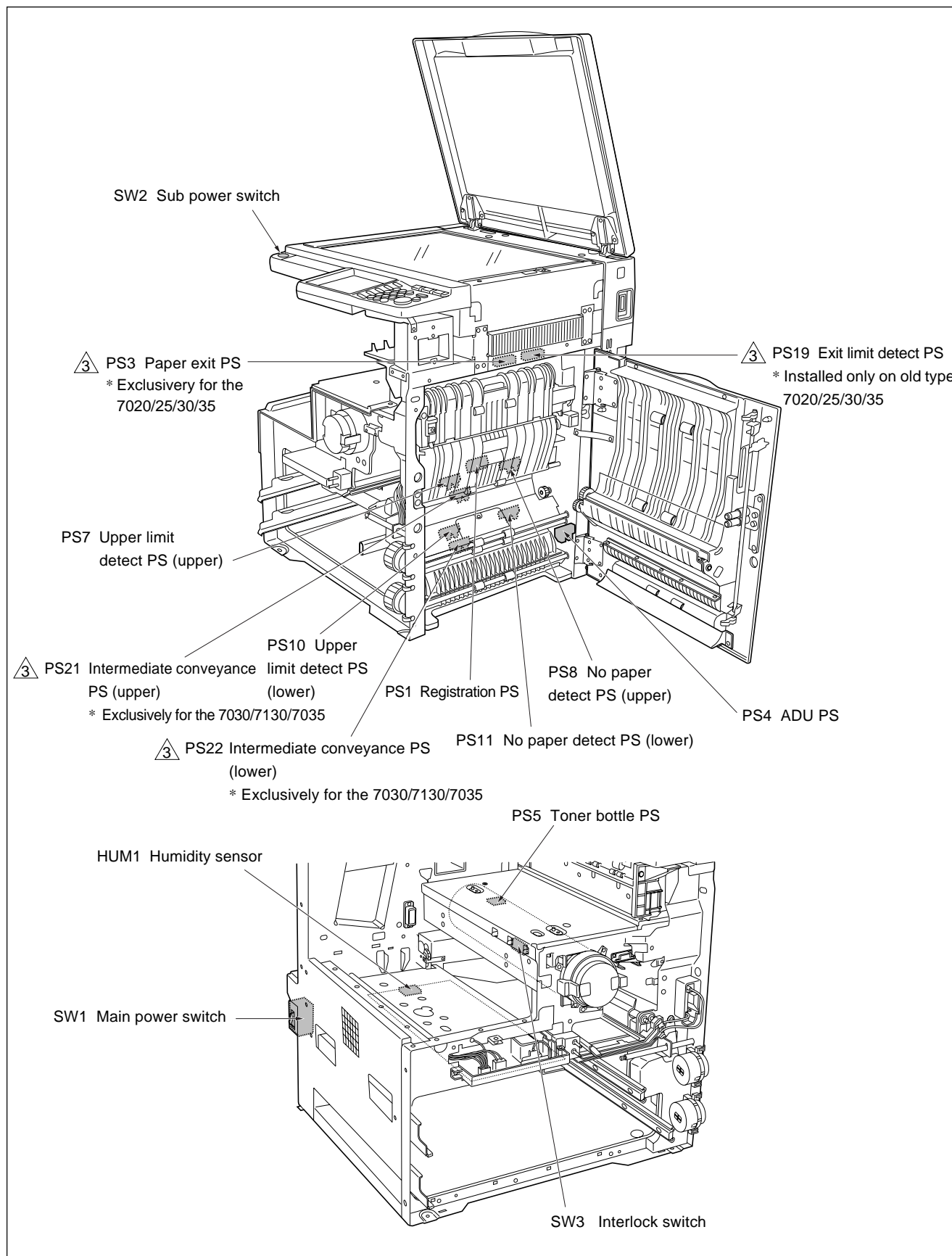
DIAGRAMS

MAIN BODY ELECTRICAL PARTS LAYOUT DRAWING

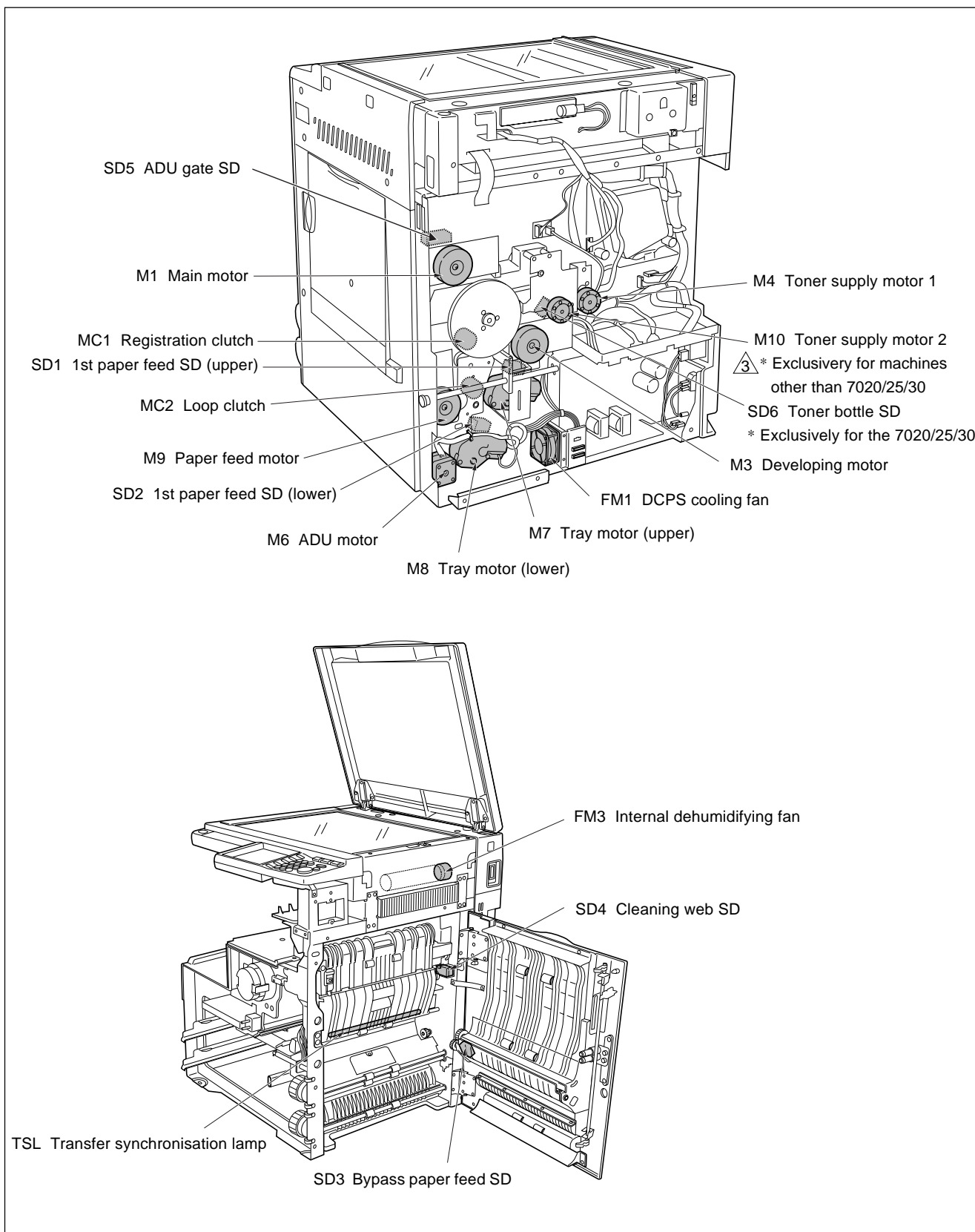
1 [1] Switches and sensors

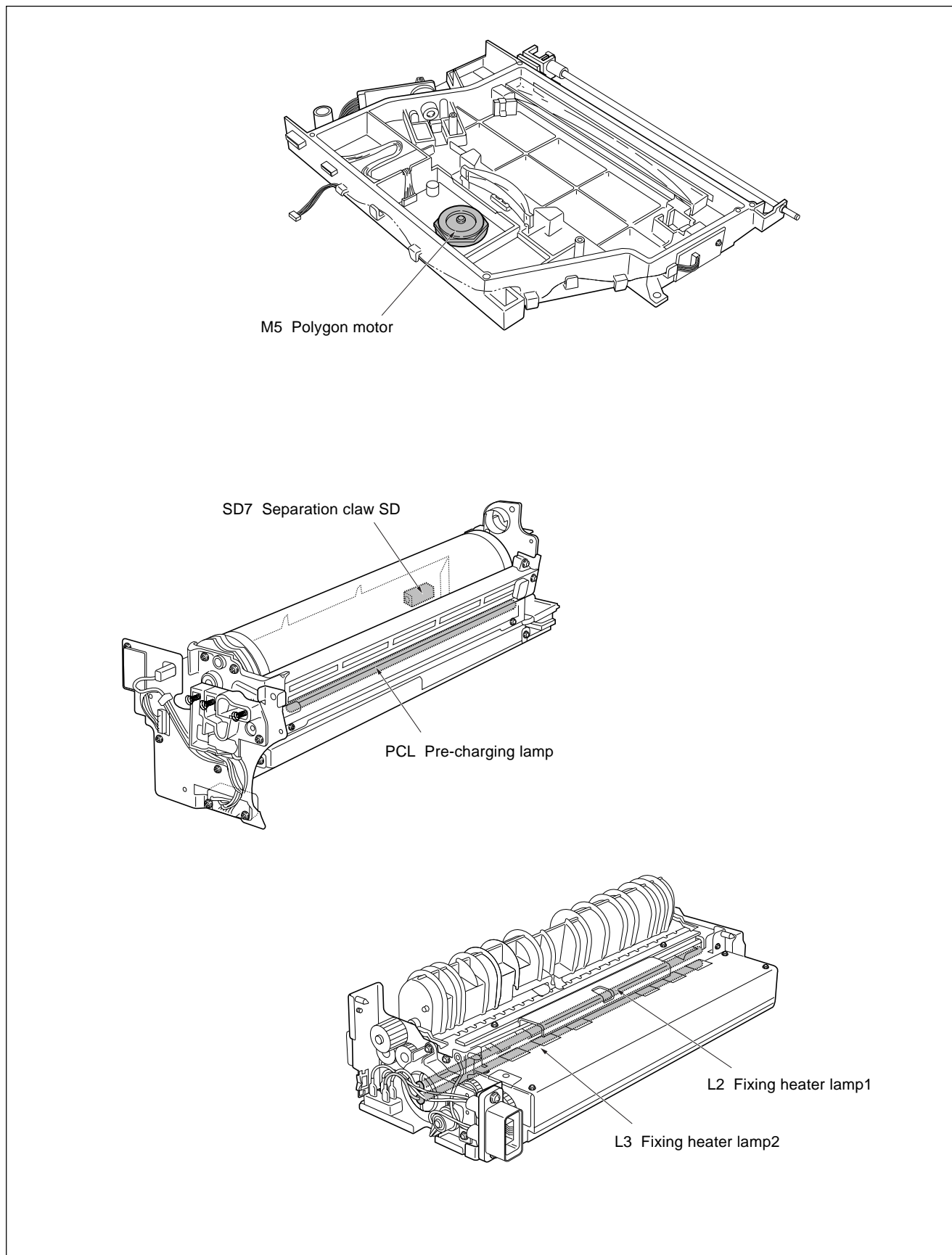


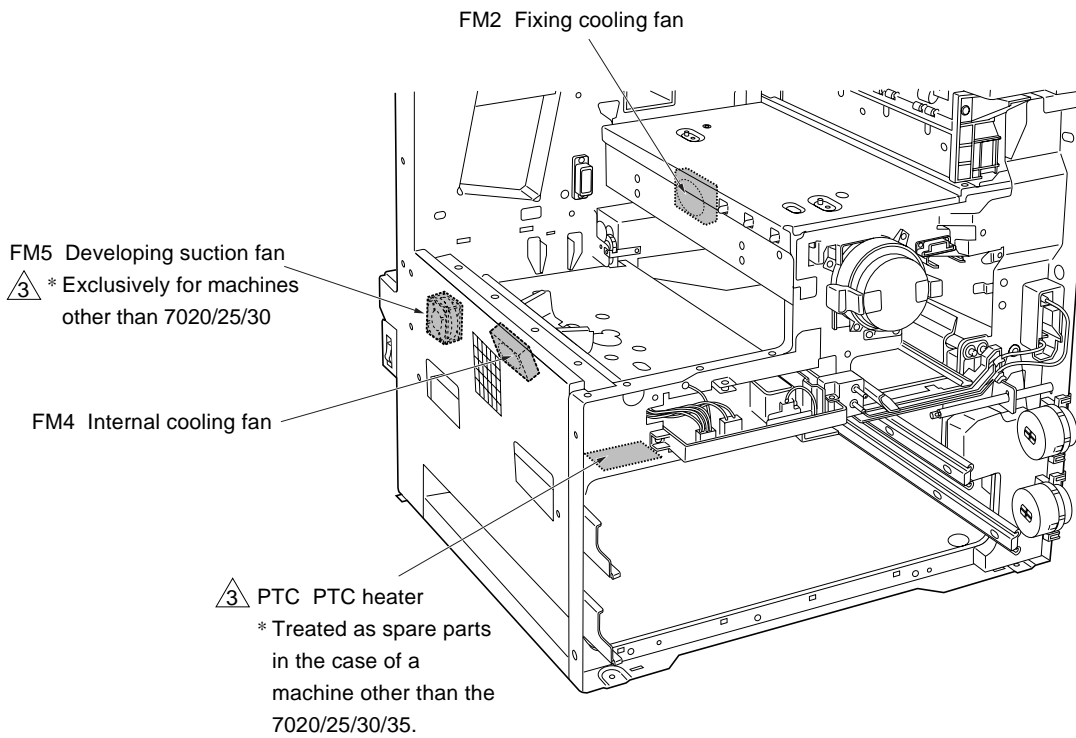
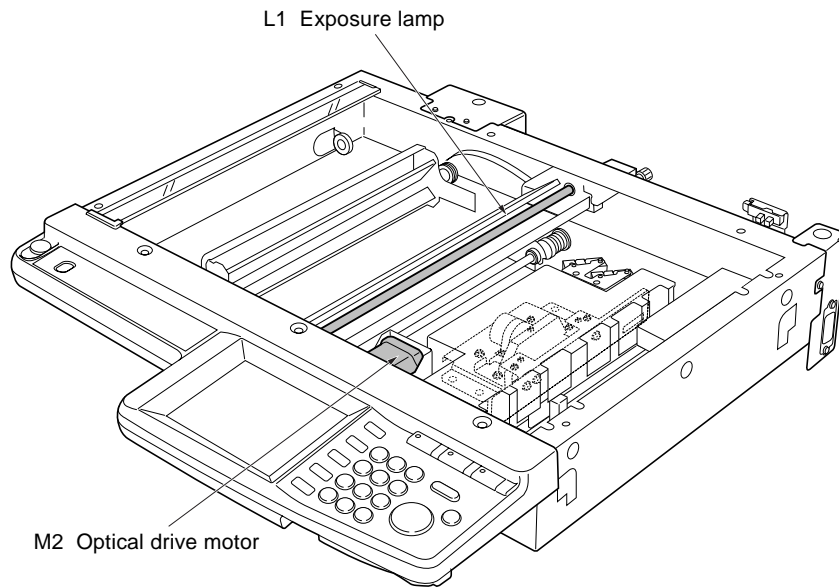




[2] Loads

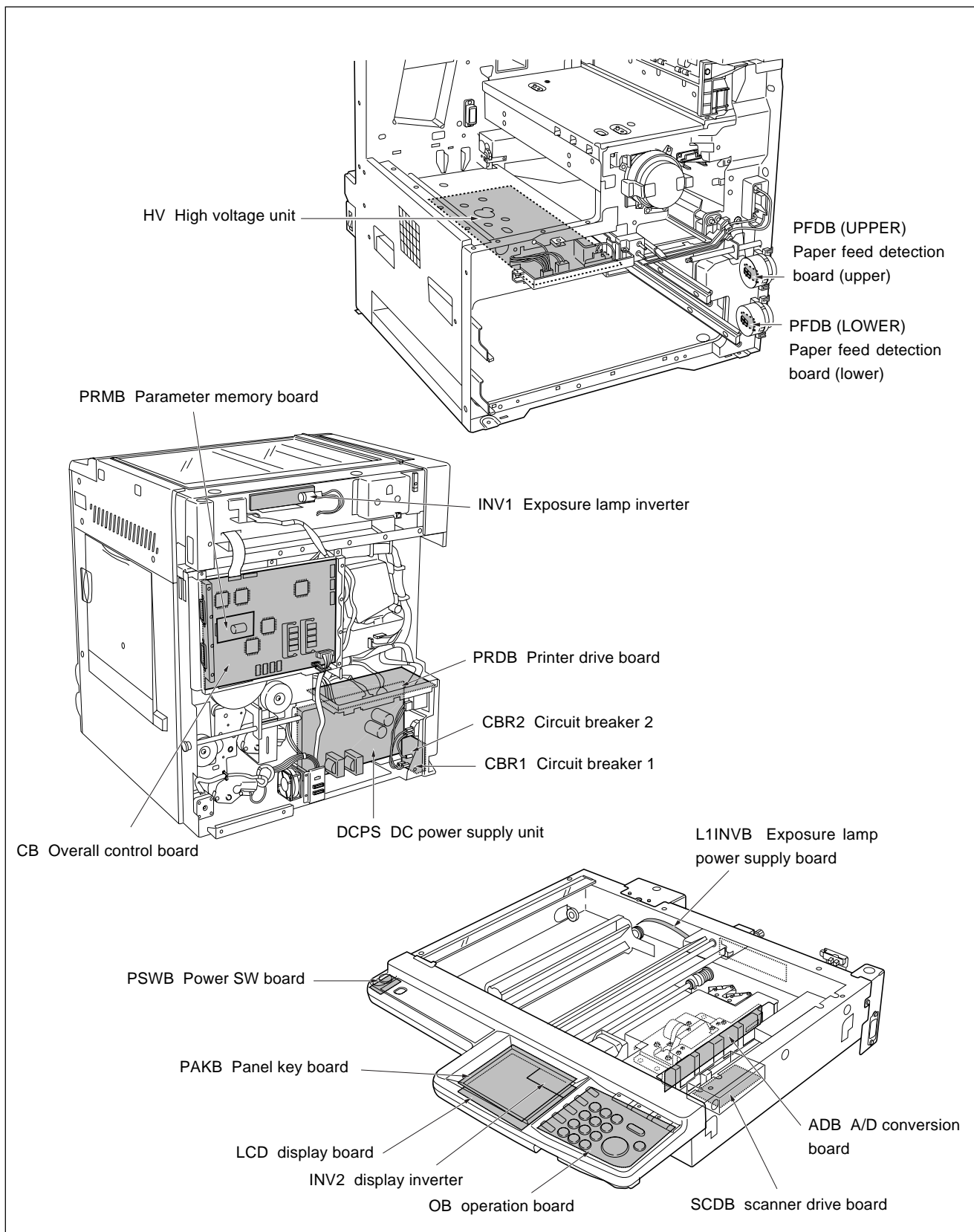




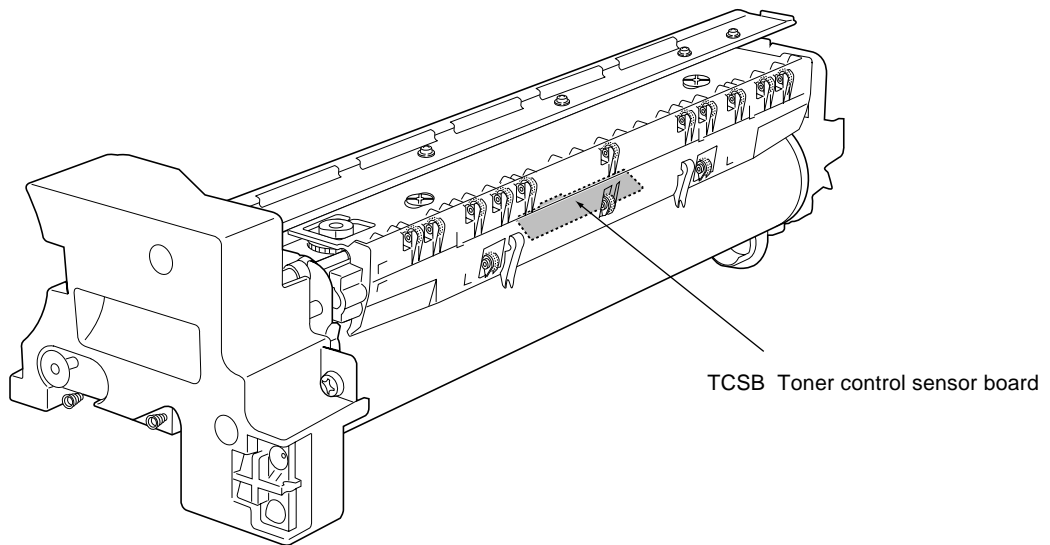
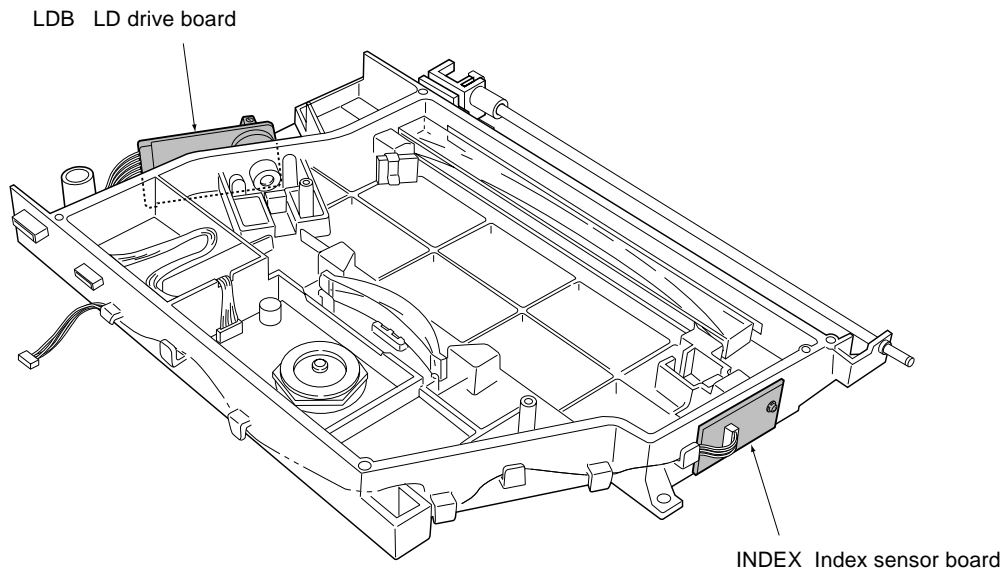


[3] PCBs and Others

1

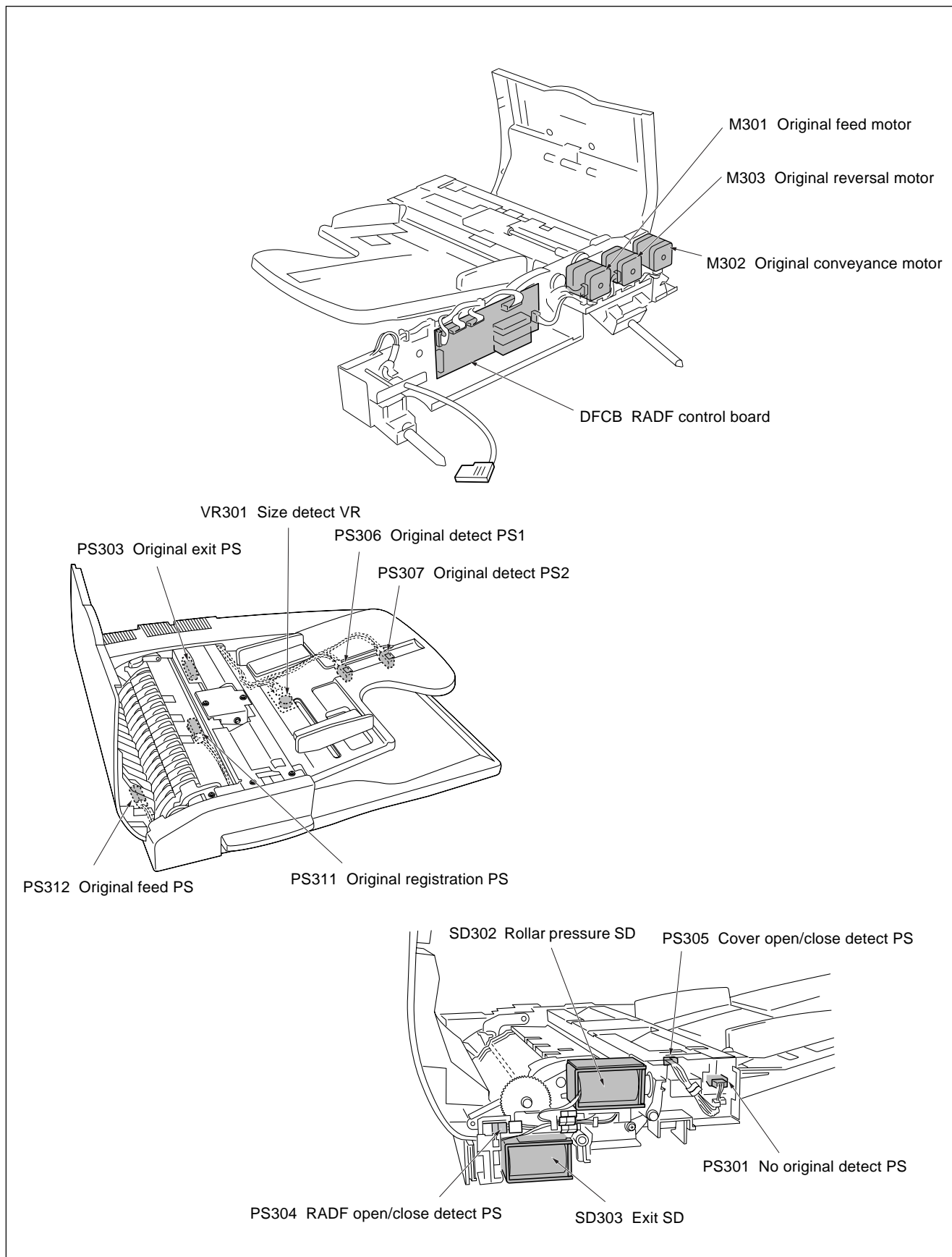


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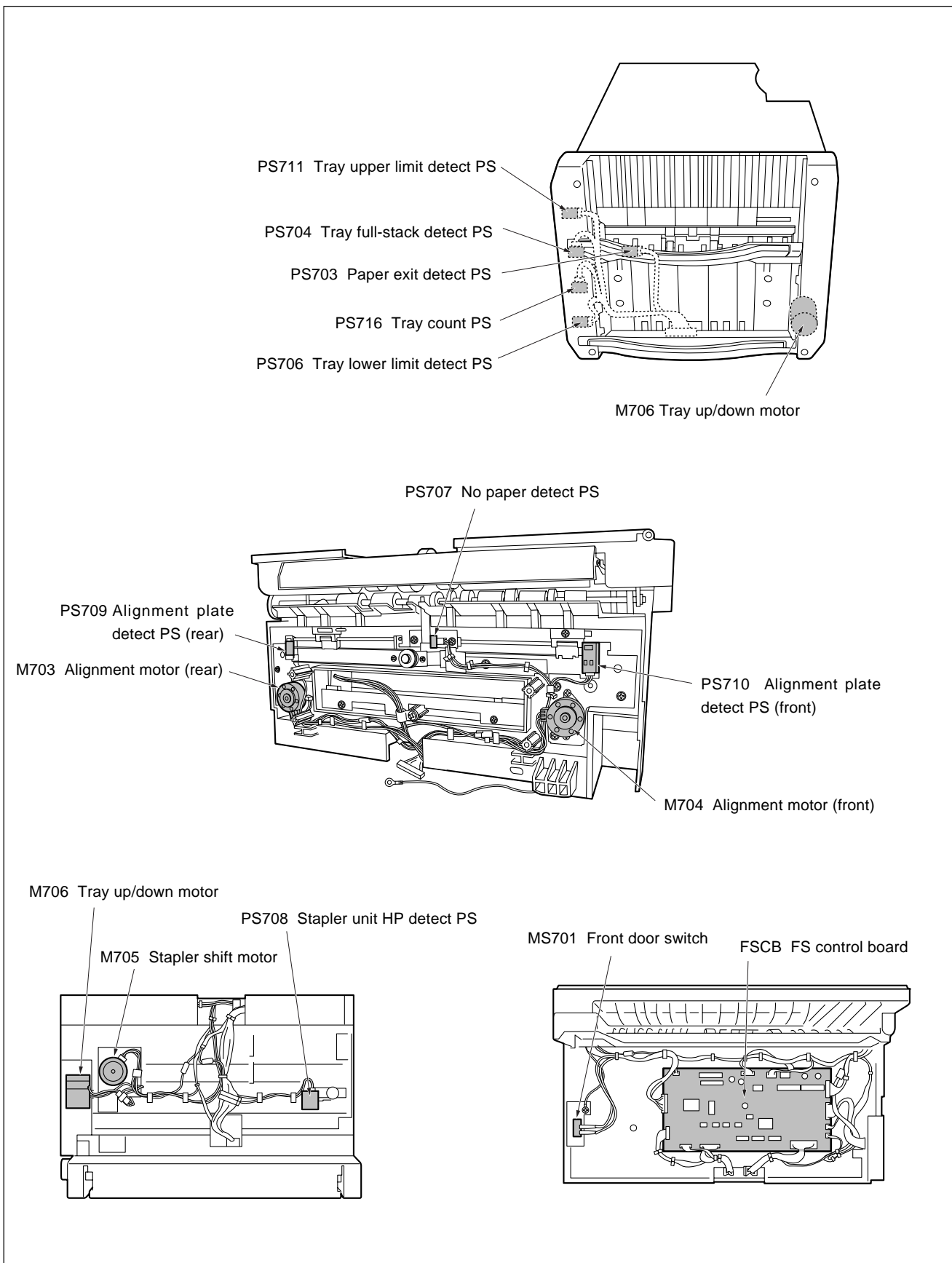


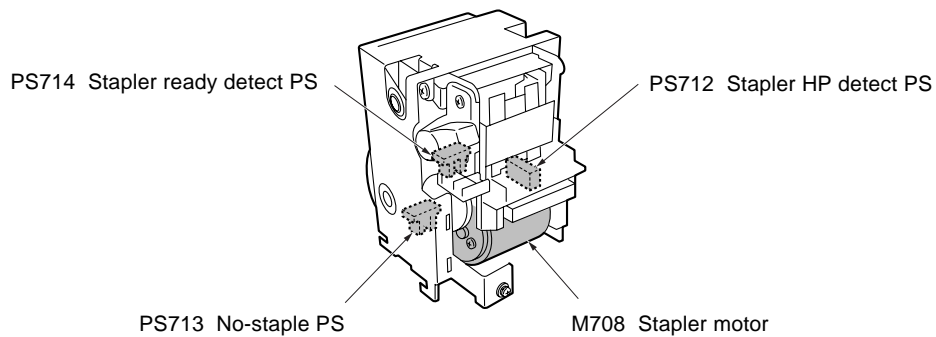
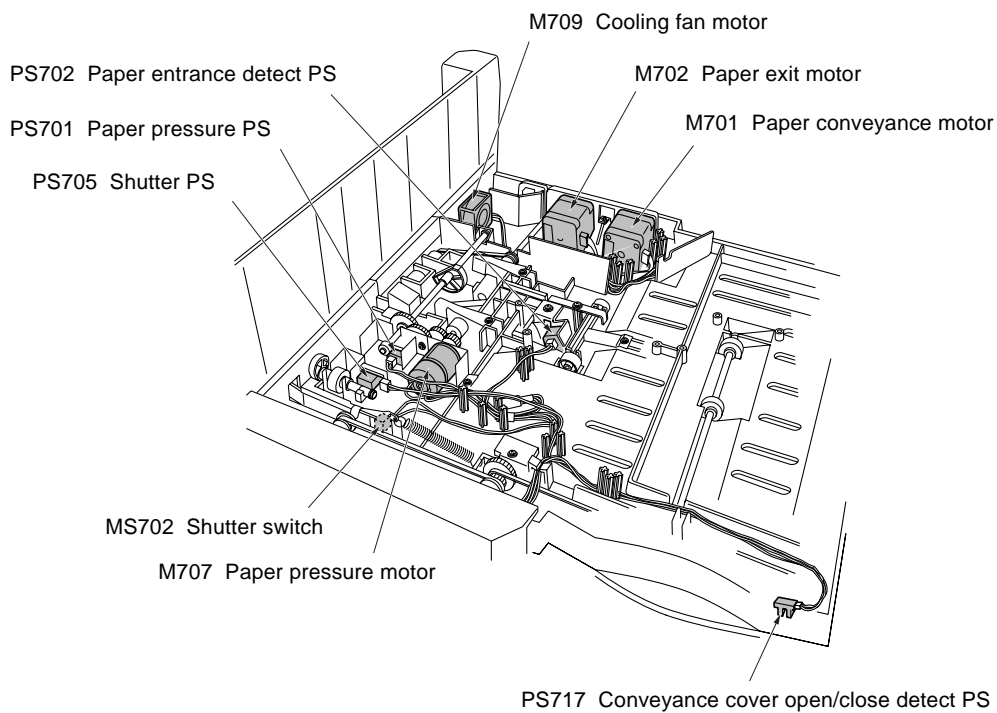
DF-314 ELECTRICAL PARTS LAYOUT DRAWING

1

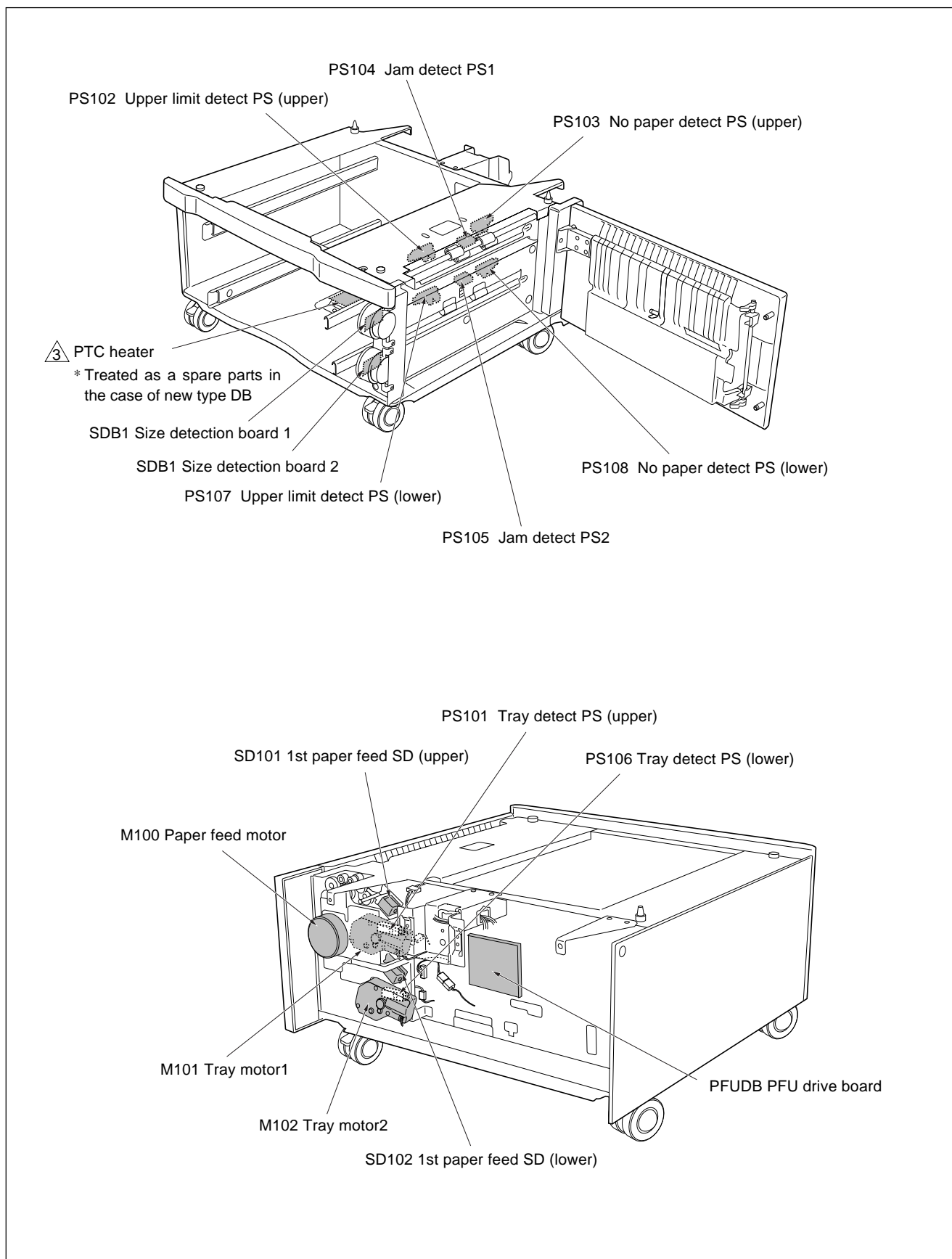


FS-107 ELECTRICAL PARTS LAYOUT DRAWING

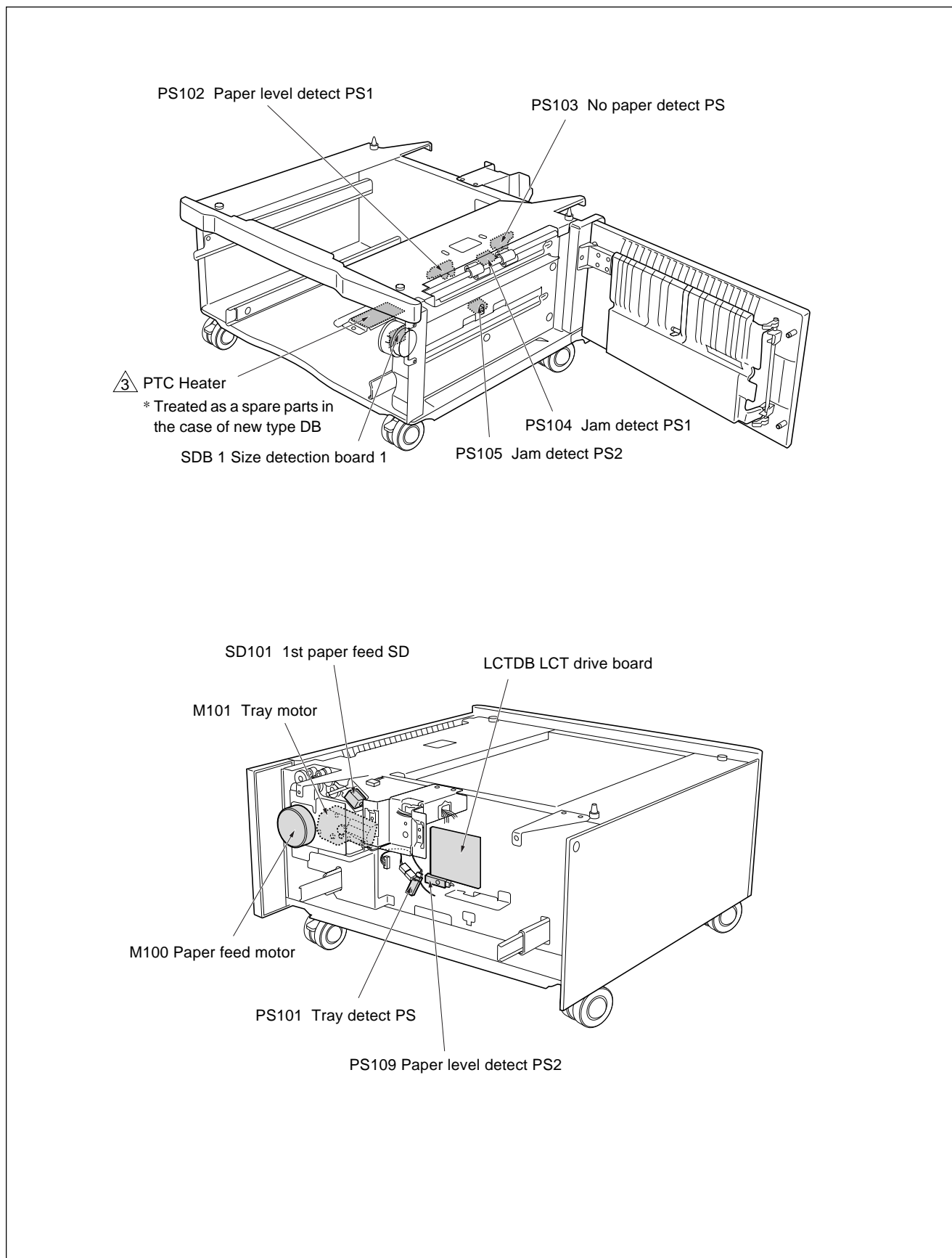




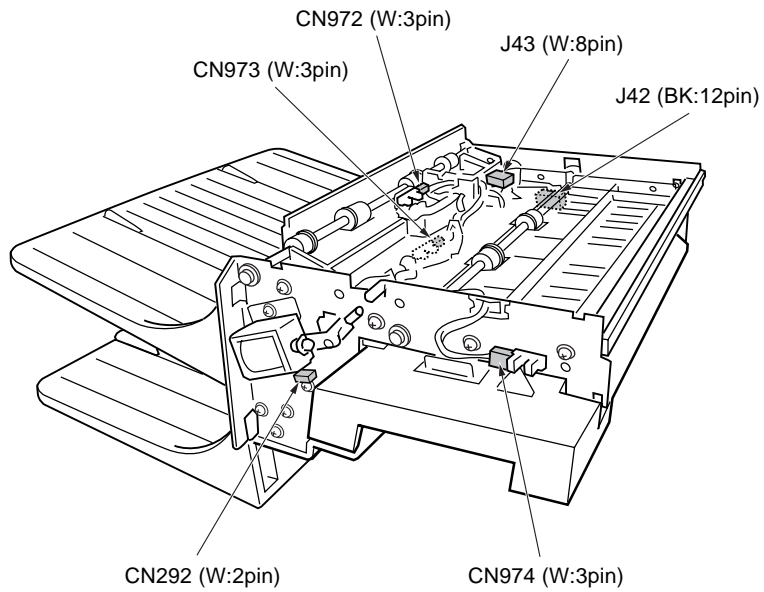
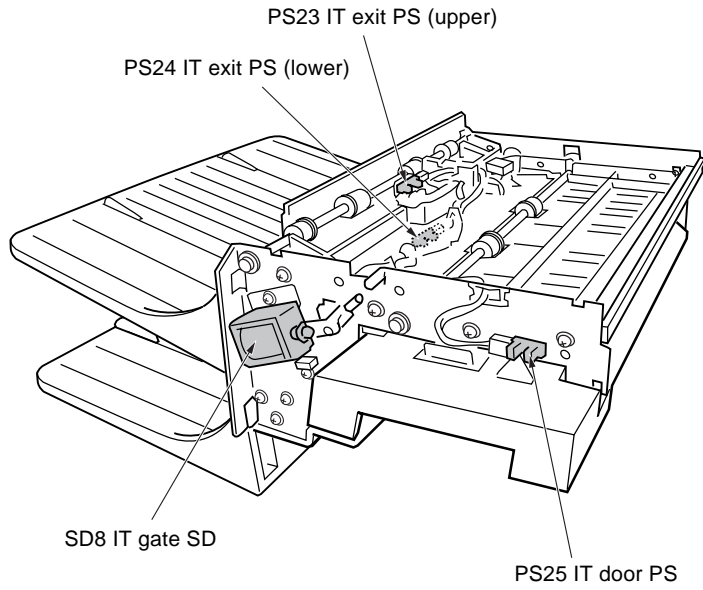
DB-209/210 ELECTRICAL PARTS LAYOUT DRAWING



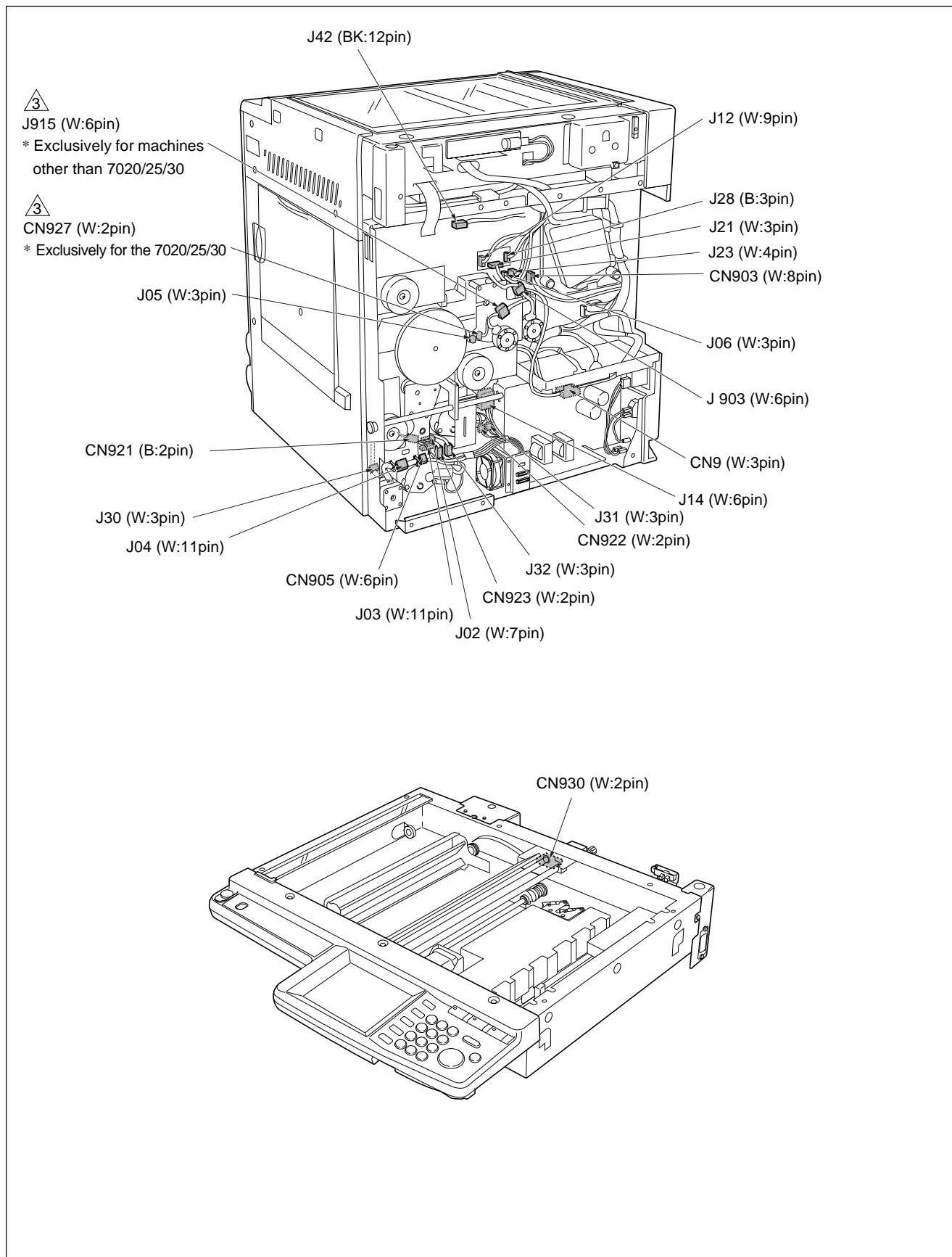
DB-409/410 ELECTRICAL PARTS LAYOUT DRAWING

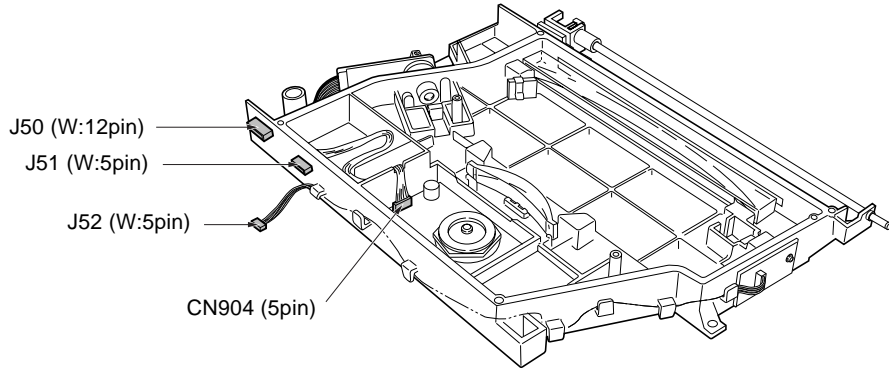


IT-101 ELECTRICAL PARTS/CONNECTOR LAYOUT DRAWING

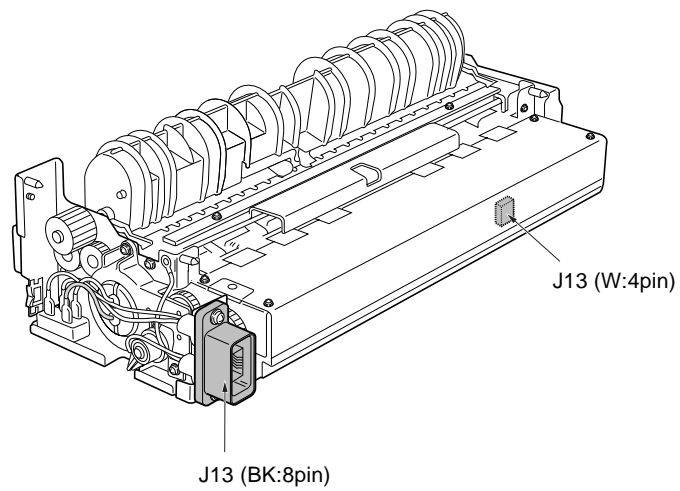
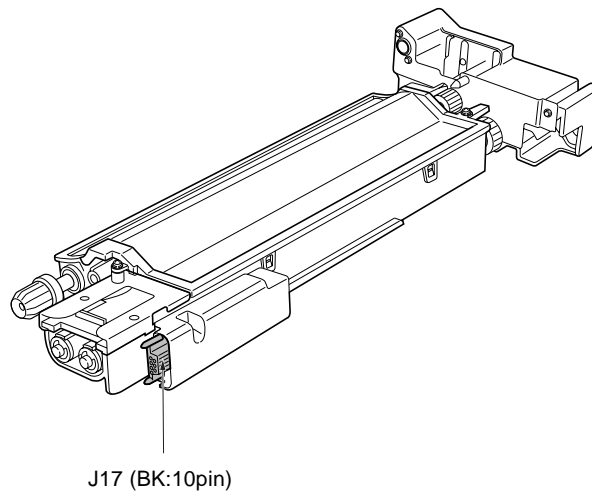
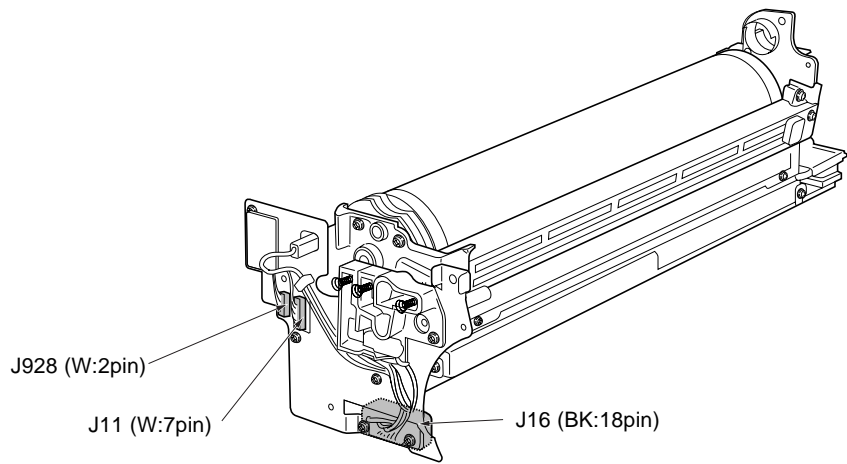


MAIN BODY CONNECTOR LAYOUT DRAWING

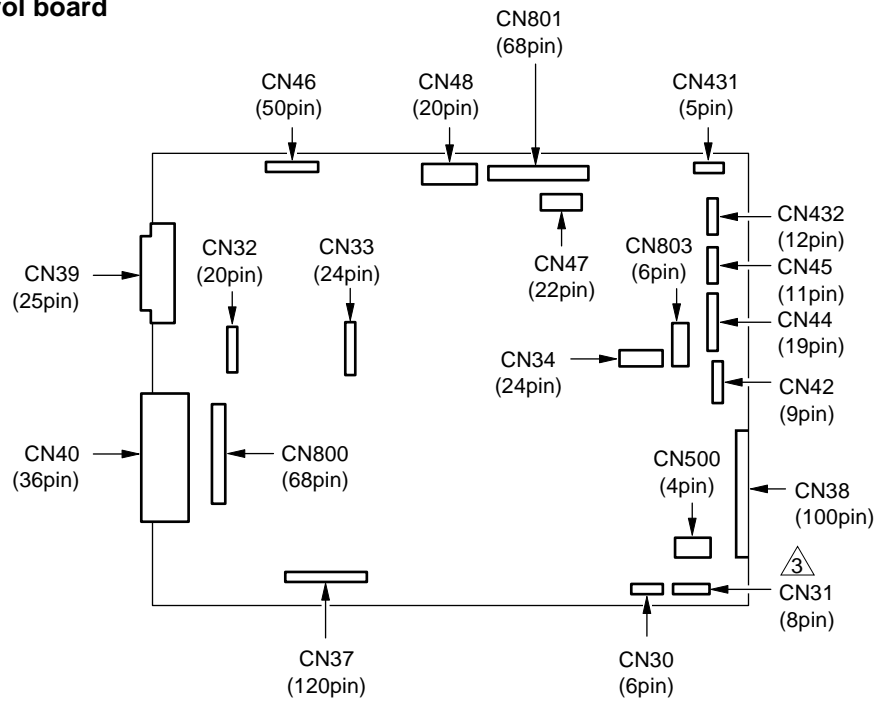




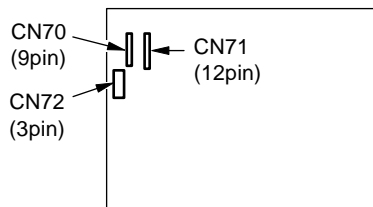
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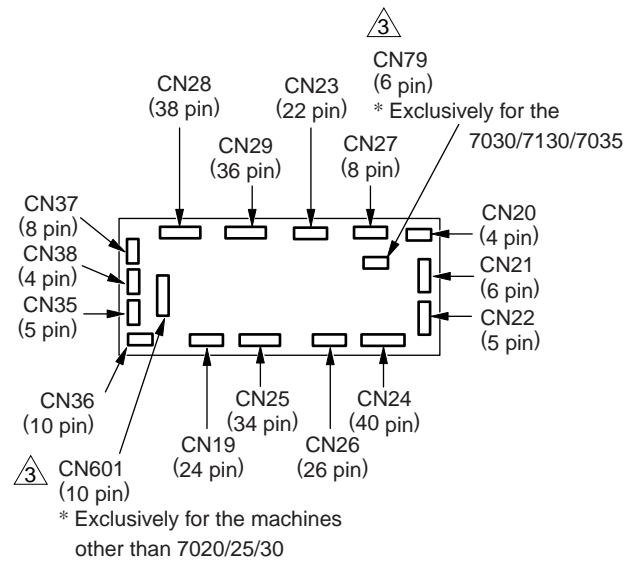
Overall control board



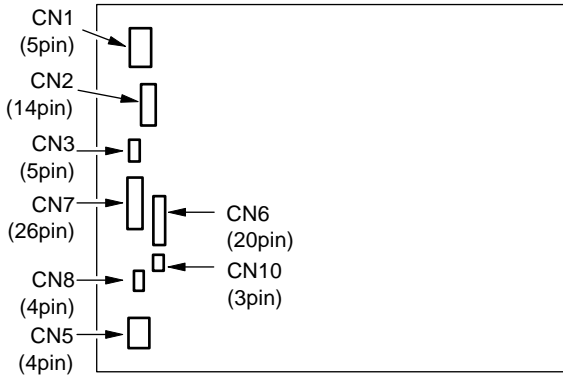
High voltage unit



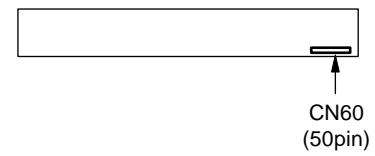
Printer drive board



DC power supply unit

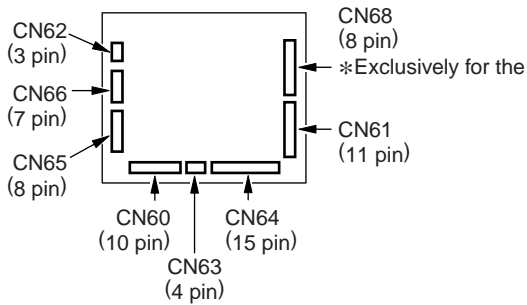


A/D conversion board

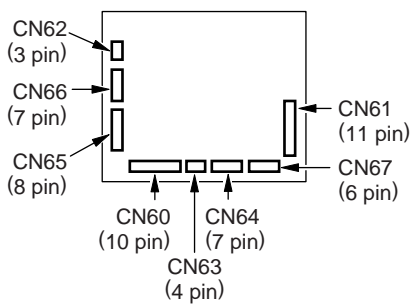


Scanner drive board

③ <Other than 7035>

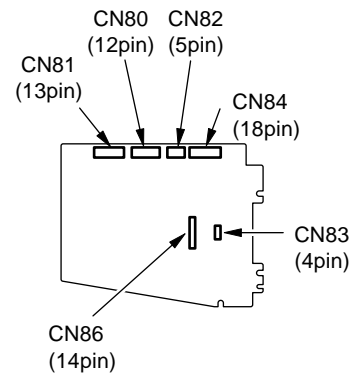


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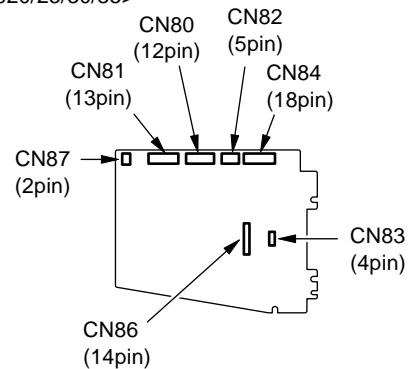


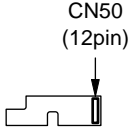
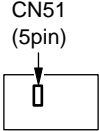
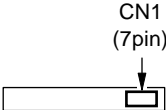
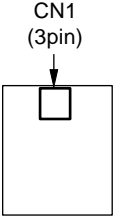
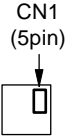
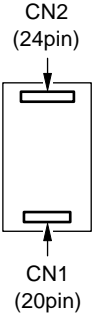
③ **Operation board**

<Other than 7020/25/30/35>

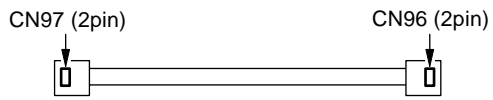


<7020/25/30/35>



<p>LD drive board</p>  <p>CN50 (12pin)</p>	<p>Index sensor board</p>  <p>CN51 (5pin)</p>
<p>Toner control sensor board</p>  <p>CN1 (7pin)</p>	<p>Power SW board</p>  <p>CN1 (3pin)</p>
<p>Paper feed detection board (upper, lower)</p>  <p>CN1 (5pin)</p>	<p>Parameter memory board</p>  <p>CN2 (24pin)</p> <p>CN1 (20pin)</p>

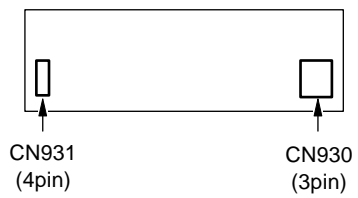
Exposure lamp power supply board



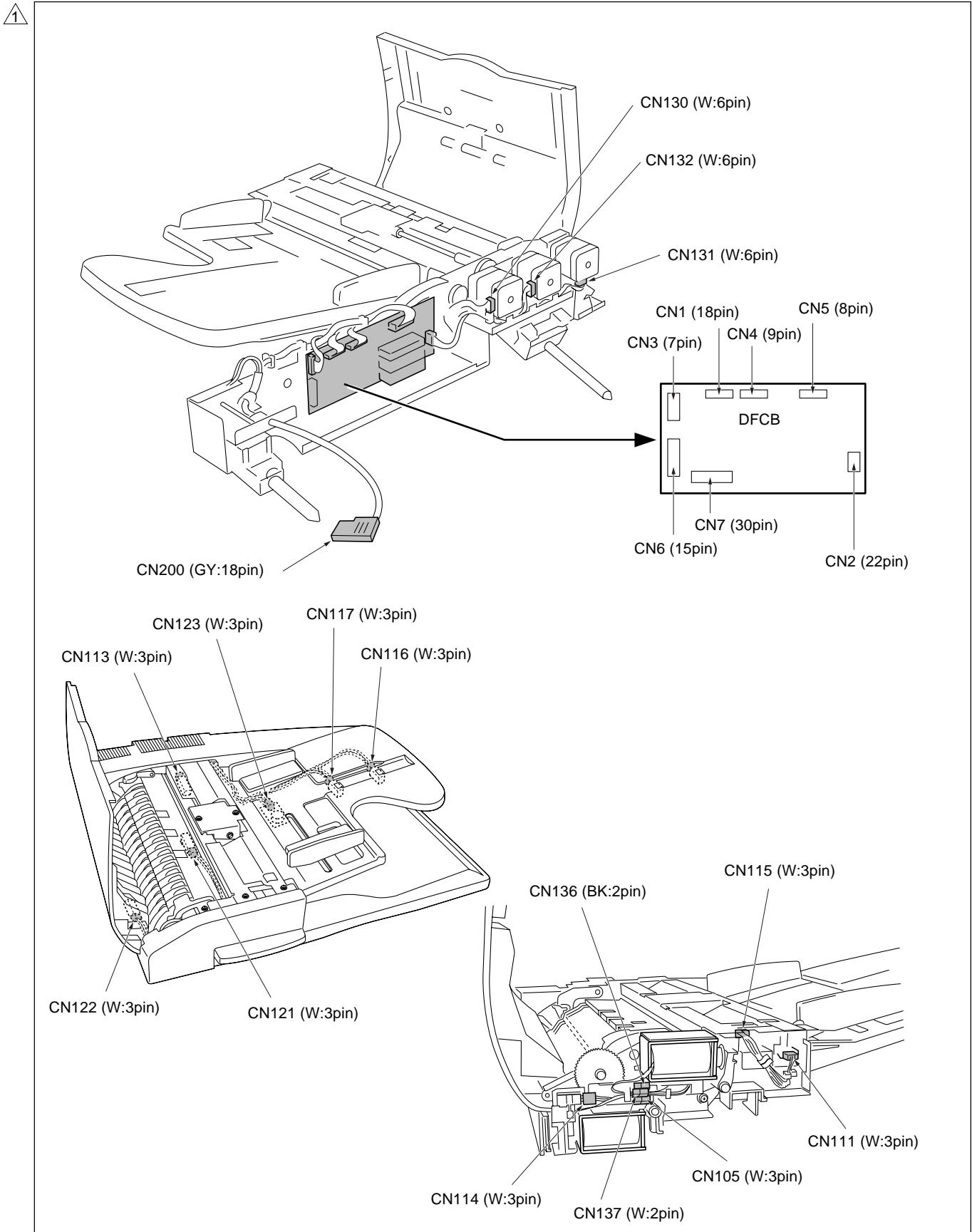
Display inverter



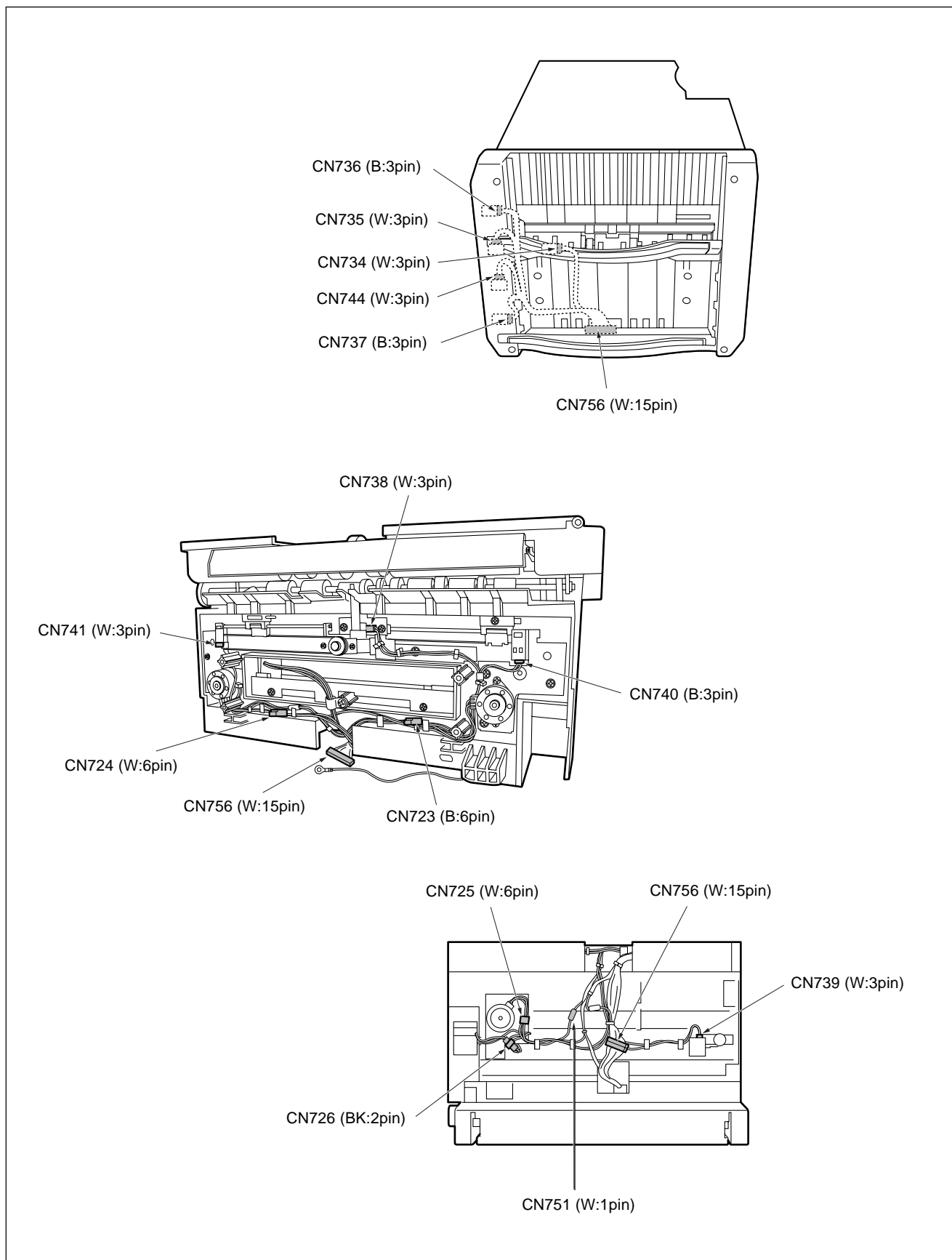
Exposure lamp inverter

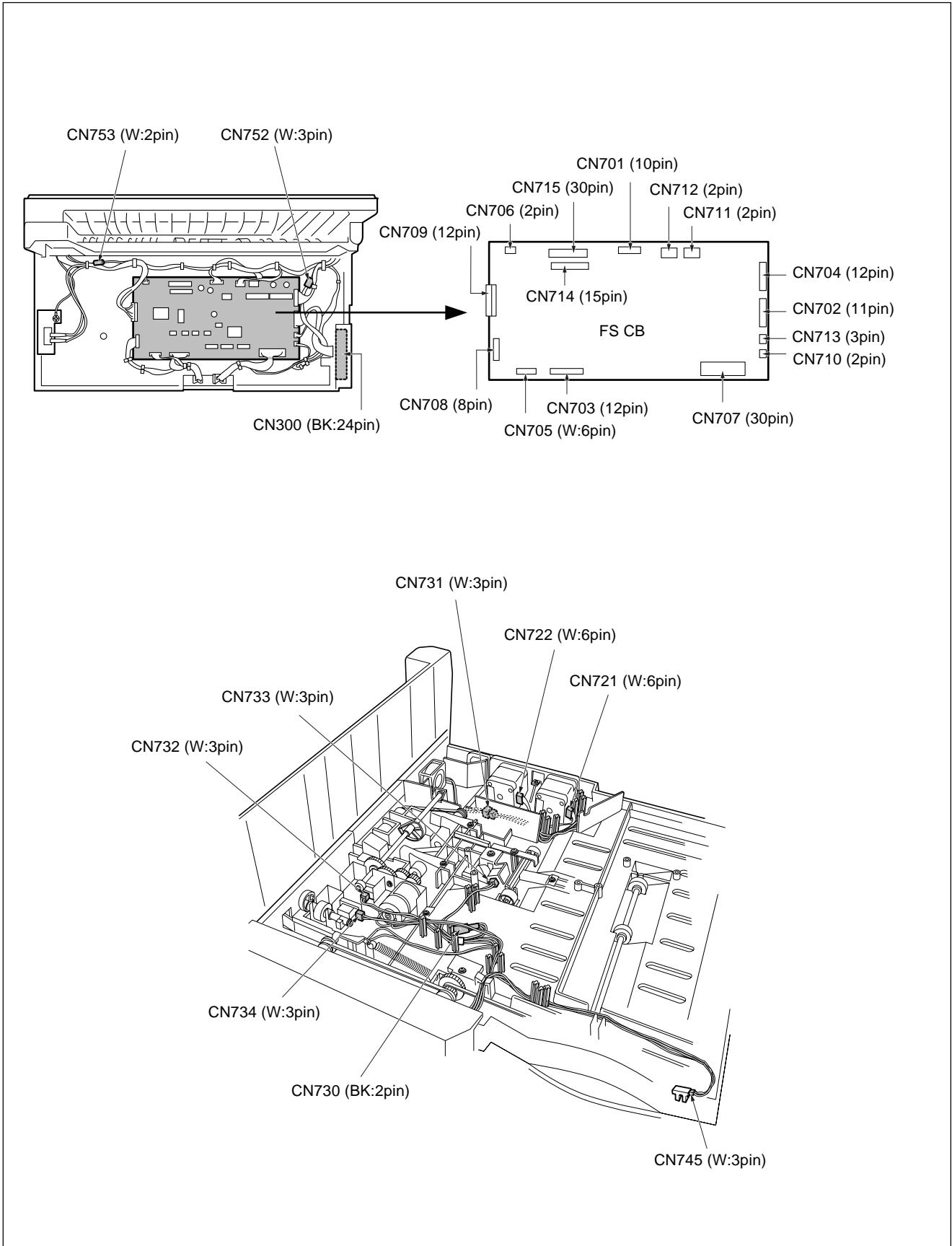


DF-314 CONNECTOR LAYOUT DRAWING

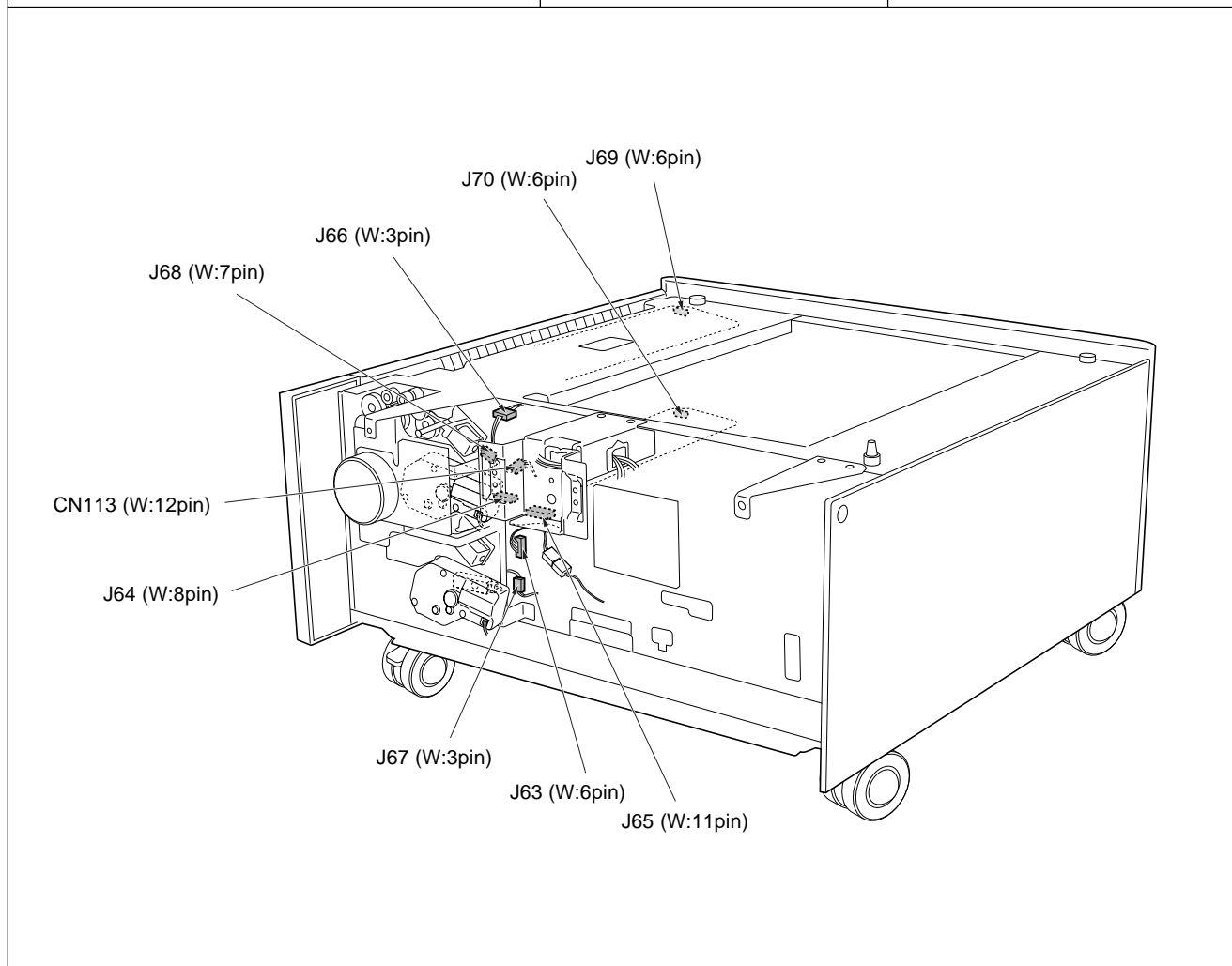
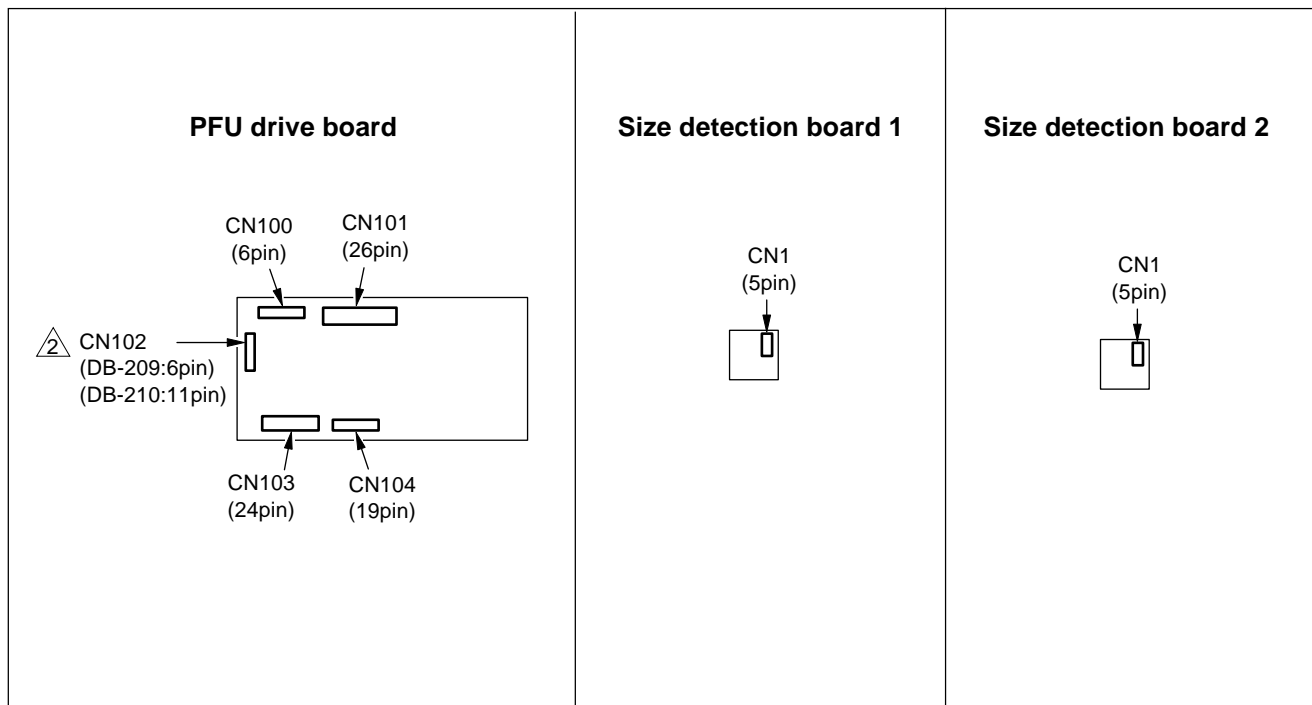


FS-107 CONNECTOR LAYOUT DRAWING

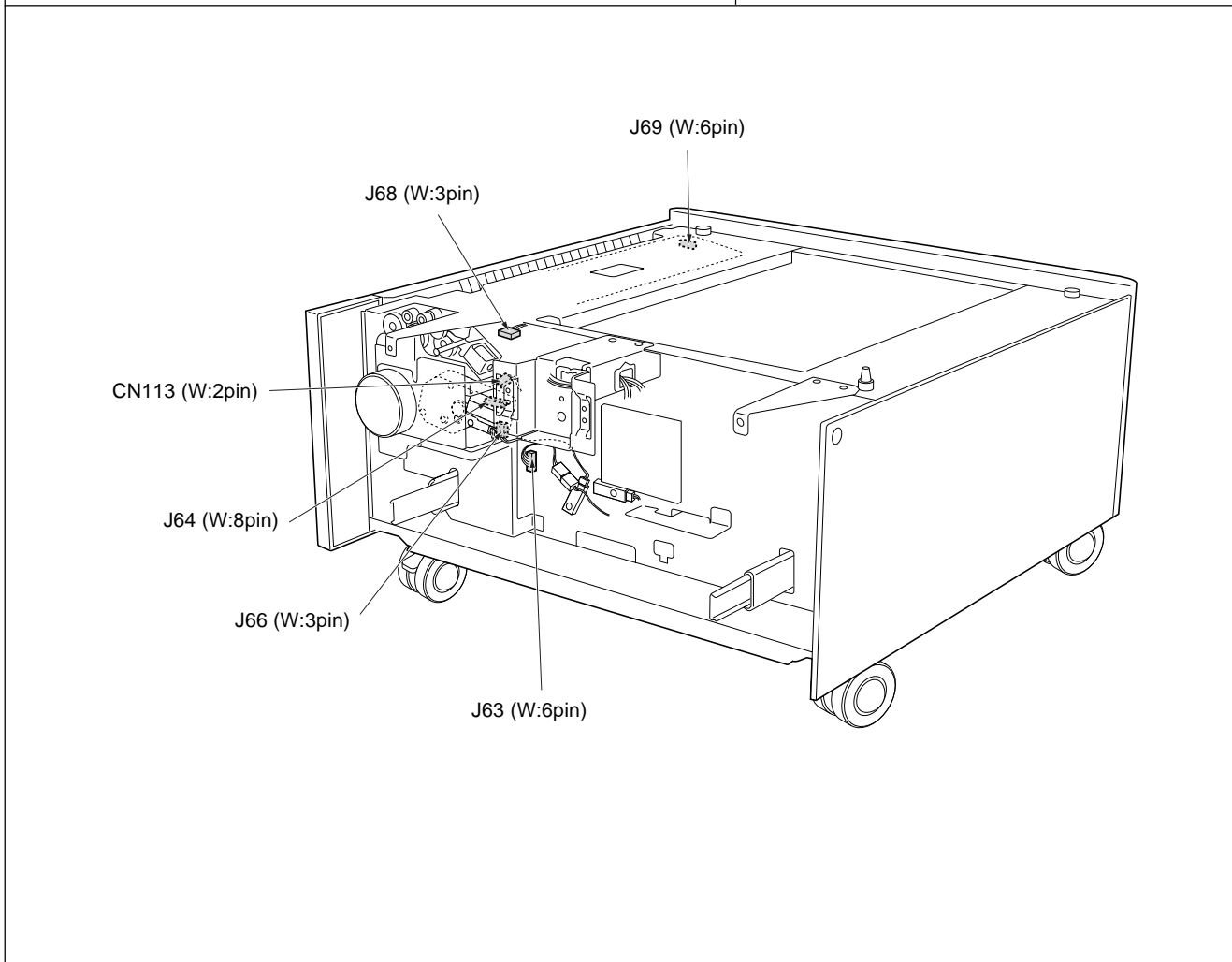
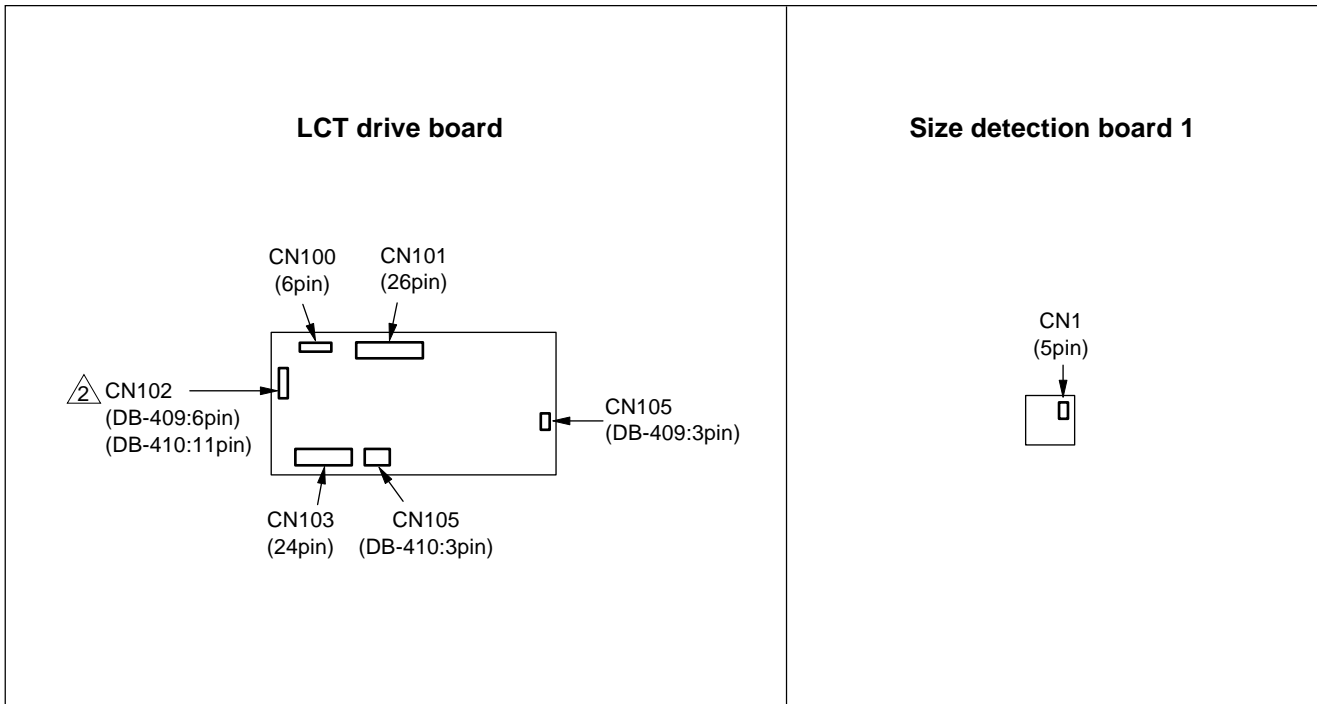




△ DB-209/210 CONNECTOR LAYOUT DRAWING



△ DB-409/410 CONNECTOR LAYOUT DRAWING




LIST OF JAM CODES

During operation

Classification	Code	Causes	Resulting operation	Correction
By-pass	J10	PS1 (registration) failed to turn ON within a predetermined time after start of by-pass feed (after SD3 (by-pass) ON).	If copying is in progress at time of jam, the copier completes ejection and then stops.	Take out the paper from the bypass tray, and remove any jammed paper.
Upper tray	J11	PS1 (registration) failed to turn ON within a predetermined time after start of upper-tray feed (after SD1 (first paper-feed (upper)) ON).		Open the ADU door, remove any jammed paper, and close the door.
Lower tray	J12	PS1 (registration) failed to turn ON within a predetermined time after start of upper-tray feed (after SD2 (first paper-feed (lower)) ON).		Pull out the tray, and remove any jammed paper.
DB tray	J13	PS104 (jam detect 1) failed to turn ON within a predetermined time after start of feed from DB upper tray (after SD101 (first paper-feed (upper)) ON).		Open the DB conveyance door, remove any jammed paper, and close the door. Pull out the tray, and remove any jammed paper.
	J14	PS104 (jam detect 1) failed to turn ON within a predetermined time after start of feed from DB lower tray.		
	J16	PS1 (registration) failed to turn ON within a predetermined time after paper passed PS104 (jam detect 1). • DB upper tray feed • DB lower tray feed	Open the ADU door and/or DB conveyance door, remove any jammed paper, and close the door.	
Conveyance	J30	PS1 (registration) failed to turn OFF within a predetermined time after MC1 (registration) ON.	The main body stops immediately.	Open the ADU door, remove any jammed paper, and close the door.
	J31	PS2 (fixing exit) failed to turn OFF within a predetermined time after MC1 (registration) ON.		
Fixing/exit	③ J32 <small>7020/25/30/35 only</small>	PS3 (paper exit) failed to turn ON within a predetermined time after PS2 (fixing exit) ON. (At the single side copy mode)		
		J32-2	PS2 (fixing exit) failed to turn OFF within a predetermined time after turning ON.	
	③ J33 <small>7020/25/30/35 only</small>	PS3 (paper exit) failed to turn OFF within a predetermined time after turning ON.		
ADU conveyance	J92	PS1 (registration) failed to turn ON within a predetermined time after start of ADU reversal.		
	J97-1	PS4 (ADU) failed to turn ON within a predetermined time after PS2 (fixing exit) ON.		
	J97-2	PS4 (ADU) failed to turn OFF within a predetermined time after turning ON.		
FS-107	J72-16	PS702 (paper entrance detect) failed to turn ON within a predetermined time after PS3 (paper exit) ON.	The FS-107 and main body stop immediately.	Open the finisher front door, and conveyance cover remove any jammed paper, and close the door.
	J72-17	PS702 (paper entrance detect) failed to turn ON within a predetermined time after PS707 (no paper detect) ON. (Straight, sort/group mode for other than small size)		
	J72-19	PS702 (paper entrance detect) failed to turn OFF within a predetermined time after turning ON. (Staple, sort/group, and small size straight modes)		


LIST OF JAM CODES

Classification	Code	Causes	Resulting operation	Correction	
FS-107	J72-21	PS707 (No paper detect) failed to turn OFF within a predetermined time after M702 (Paper exit) turning ON. (Staple, sort/group, and small size straight modes)	The FS-107 and main body stop immediately.	Open the finisher front door, and conveyance cover remove any jammed paper, and close the door.	
	J72-23	PS707 (No paper detect) failed to turn OFF within a predetermined time after turning ON. (Straight, sort/group mode for other than small size)			
	J72-81	Staple jam: M708 (stapler) failed to turn OFF within a predetermined time after turning ON. (Forward operation not completed.) (Staple mode)		Remove the jammed staple.	
IT-101	3	J75-10	The main body stops immediately.	Open the IT door, and remove the jammed paper, then close the door.	
		J75-11			PS24 (IT exit (lower)) is not turned ON within a predetermined time after PS3 (paper exit) (in the case of the 7020/25/30/35, PS2 (fixing exit)) is turned ON.
		J75-12			PS3 (paper exit) (in the case of machines other than the 7020/25/30/35, PS2 (fixing exit)) does not go OFF within a predetermined time after PS23 (IT paper exit (upper)) or PS24 (IT paper exit (lower)) goes ON.
		J75-13			The IT door of the IT-101 opened while the main body was operating.
DF-314	J61-0	PS305 (cover open/close detect) turned ON. (The paper feed cover is opened.)	The DF-314 stops immediately.	Open the RADF, remove any jammed paper, and then close. Remove any jammed paper from the main body's conveyance section.	
	J61-1	PS304 (RADF open/close detect) turned ON.			
	J62-0	Original did not feed.			
	J62-2	PS312 (original feed) failed to turn ON within a predetermined time after start of refeed for single sided original.			
	J62-3	PS312 (original feed) failed to turn ON within a predetermined time after start of reverse exit for double sided original.			
	J62-4	PS312 (original feed) did not go OFF within the specified period after it went ON, during paper exit.			
	J62-5	PS312 (original feed) did not go OFF within the specified period after it went ON, during reversal.			
	J63-0	PS303 (original exit) did not go ON during paper exit.			
	J63-2	PS303 (original exit) did not go OFF within the specified period after it went ON, during paper exit.			
	J63-4	PS311 (original registration) failed to turn OFF within a predetermined time after start of refeed of single sided original.			
J63-5	PS311 (original registration) failed to turn OFF within a predetermined time after start of reverse feed.				


Classification	Code	Causes	Resulting operation	Correction
Others 	J20-2	ADU door open jam SW3 (Interlock switch) went OFF during printing.	Printer section stops immediately.	Remove jammed paper according to message.
	J20-3	FNS front door open jam MS701 (front door) went OFF during printing.		
	J20-4	System emergency stop jam		
	J20-5	FNS conveyance door open jam PS717 (conveyance cover open/close detect) went OFF during printing.		
	J20-6	FNS shutter switch operation jam MS702 (shutter) went ON during printing.	Machine stops immediately.	Opne the ADU door, remove any jammed paper, and close the door.
	J50-1	Failed to receive print request from system within a predetermined time after PS1 (registration) ON.		
	J50-2	"Valid" signal failed to turn ON within a predetermined time after start of printing.		
	J50-3	MC1 (registration) failed to turn ON within a predetermined time after start of printing.		

LIST OF JAM CODES


When idling

Classification	Code	Causes	Correction
Paper feed	J81	PS1 (registration) ON during idling state.	Open the ADU door, remove jammed paper, and close the door.
	J82	PS105 (Jam detect 2) ON during idling state.	Open the DB feed door, remove jammed paper, and close the door. If paper is jammed in the main body: open the ADU door, remove the jammed paper, and close the door.
Exit 	J90	PS2 (fixing exit) ON during idling state.	Open the ADU door, remove jammed paper, and close the door.
	J91	PS3 (paper exit) ON during idling state. (7020/25/30/35 only)	
ADU	J100	PS4 (ADU) ON during idling state.	Open the ADU door, remove jammed paper, and close the door.
FS-107	J72-1	PS702 (paper entrance detect) ON during idling state.	Open the finisher door, remove jammed paper, and close the door.
	J72-2	PS707 (no paper detect) ON during idling state.	
DF-314	J65-1	PS311 (original registration) ON during idling state.	Open the RADF, remove jammed paper, and then close.
	J65-2	PS312 (original feed) ON during idling state.	
	J65-3	PS311 (original registration), PS312 (original feed) ON during idling state.	
	J65-8	PS303 (original exit) ON during idling state.	
	J65-9	PS311 (original registration), PS303 (original exit) ON during idling state.	
	J65-10	PS312 (original feed), PS303 (original exit) ON during idling state.	
	J65-11	PS311 (original registration), PS312 (original feed), PS303 (original exit) ON during idling state.	
IT-101	J75-10	PS23 (IT exit (upper)) or PS24 (IT exit (lower)) went ON during idling.	Open the IT door, remove jammed paper, then close the door.

LIST OF WARNING (ERROR) CODES

Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts	
Communication abnormalities	F10-1	Failure in serial communication between the PRDB (printer drive board) and CB (overall control board).	If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF.	Switch SW2 (sub power switch) OFF and then back ON.	PRDB (printer drive board) CB (overall control board)	
	F10-2	Two consecutive failures to respond to PRDB (printer drive board) A/D conversion request.			PRDB (printer drive board)	
	F10-9	Communication error at PRDB (printer drive board) SRGA (serial gate array) error. (Error in protocol for receive control signals SREC, SACK.)			PRDB (printer drive board) CB (overall control board)	
Feed-tray and drum-area abnormalities	F18-1	Error in main body upper tray PS7 (tray upper limit detect (upper)) failed to turn ON within 26 seconds after M7 (tray (upper)) ON.			PRDB (printer drive board) M7 (tray (upper)) PS7 (tray upper limit detect (upper))	
	F18-2	Error in main body lower tray PS10 (tray upper limit detect (lower)) failed to turn ON within 26 seconds after M8 (tray (lower)) ON.			PRDB (printer drive board), M8 (tray (lower)) PS10 (tray upper limit detect (lower))	
	F18-3	Error in DB upper tray PS102 (upper limit detect (upper)) failed to turn ON within 26 seconds after M101 (tray 1) ON.			PFU DB (PFU drive board) or LCT DB (LCT drive board) M101 (tray 1) PS102 (upper limit detect (upper))	
	F18-4	Error in DB lower tray PS107 (upper limit detect (lower)) failed to turn ON within 26 seconds after M102 (tray 2) ON.			PFU DB (PFU drive board) M102 (tray 2) PS107 (upper limit detect (lower))	
	F22-1	Internal overheating The temperature at the outside of the drum reached or exceeded 47°C.				TCSB (toner-control sensor board) FM4 (internal cooling)
	F23-1	PCL connector detached With 24V ON and PCL OFF, the PCL EM signal (pcl_em) was detected as "H" (software logic).				Switch SW2 (sub power switch) OFF, connect the PCL connector, and then set SW2 ON.	PCL connector PRDB (printer drive board)

LIST OF WARNING (ERROR) CODES

Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts	
High voltage  unit abnormalities	F26-1	L detection output error L detection exceeds 3.0V.	If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF.	Set SW2 (sub power switch) OFF and then back ON.	TDS (toner density sensor) PRDB (printer drive board)	
		Toner density abnormality If L detection power exceeds 26V prior to toner out detection by the TLD (toner level detect), the automatic toner supply feature should restore the toner density. This error occurs if this feature fails to restore the density.			Toner bottle (reinstall) TDS (toner density sensor) TLD (toner level detect sensor) PRDB (printer drive board) Toner supply unit	
		Abnormal output from TDS (toner density sensor) Maximum TDS output voltage failed to exceed 1.0V.			TDS (toner density sensor) PRDB (printer drive board) Developer	
	F26-2	Abnormal output from TDS (toner density sensor) TDS output ripple voltage failed to reach 0.5V			TDS (toner density sensor) PRDB (printer drive board) M1 (main) Developer agitating screw Developing unit connector	
	F26-3	Charging error EM detect signal (charge_em1) was read 3 times at 100msec intervals.			Main relay and 24V power supply go OFF at the end of the job.	Charging corona unit HV (high voltage unit) PRDB (printer drive board)
	F28-1	Abnormal transfer spark (trans_em) detected 3 times at 20msec intervals, 5 times in succession for the same job.			If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF.	Transfer corona unit HV (high voltage unit) PRDB (printer drive board)
	F28-2	Abnormal separation spark (separate_em) detected 5 times at 20msec intervals, 5 times in succession for the same job.			Separation corona unit HV (high voltage unit) PRDB (printer drive board)	
Fixing high temperature abnormalities	F34-1	TH1 (fixing temperature sensor 1) detected abnormally high temperature. Temperature detected by TH1 remained at or above 231°C for 0.4 seconds.	Main relay turns OFF and acceptance of all keys is disabled.	Set SW2 (sub power switch) OFF and then back ON after set to "0" the bit 1 in DIP SW3 in 25 mode. (If you switch power back on without releasing the latch, the error will recur.)	TH1 (fixing temperature sensor 1) TH2 (fixing temperature sensor 2) L2 (fixing heater lamp 1) L3 (fixing heater lamp 2) PRDB (printer drive board) DCPS (DC power supply)	
	F34-2	TH2 (fixing temperature sensor 2) detected abnormally high temperature. Temperature detected by TH2 remained at or above 231°C for 0.4 seconds.				



Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts
Fixing low temperature abnormalities	F35-1	TH1 (fixing temperature sensor 1) detected abnormally low temperature. Occurs if main motor remains energized for longer than 10 seconds during idling state.	Main relay turns OFF and acceptance of all keys is disabled.	Set SW2 (sub power switch) OFF and then back ON, after set to "0" the bit 1 in DIP SW3 in 25 mode. (If you switch power back on without releasing the latch, the error will recur.)	TH1 (fixing temperature sensor 1) TH2 (fixing temperature sensor 2) L2 (fixing heater lamp 1) L3 (fixing heater lamp 2) PRDB (printer drive board) DCPS (DC power supply)
	F35-2	TH1 (fixing temperature sensor 1) detected abnormally low temperature. During idling or copying, TH1 detected that temperature remained at or below 165°C for 10 seconds.			
	F35-3	TH1 (fixing temperature sensor 1) detected abnormally low temperature (during warmup) If TH1 detects that temperature is below 170°C at the time that L2 (fixing heater lamp 1) is started, it records the temperature reading and compares this with the temperature reading obtained 10 seconds later. This error occurs if the difference between these temperature readings is less than a predetermined level. If TH1 detects that temperature is at or above 170°C at the time that L2 starts, this error occurs if TH1 fails to detect warm-up completion temperature within 10 seconds thereafter.			
	F35-4	TH2 (fixing temperature sensor 2) detected abnormally low temperature. Occurs if L3 (fixing heater lamp 2) remains energized for longer than			
	F35-5	10 seconds during idling state. TH2 (fixing temperature sensor 2) detected abnormally low temperature. During idling or copying, TH2 detected that temperature remained at or below 165°C for 10 seconds.			

LIST OF WARNING (ERROR) CODES

Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts
Fixing low temperature abnormalities	F35-6	<p>TH2 (fixing temperature sensor 2) detected abnormally low temperature. At warm-up, if TH2 detects that temperature is less than 170°C at the time when L3 (fixing heater lamp 2) is first energized, it stores the temperature reading, then compares it with the temperature reading obtained 10 seconds later. This error occurs if the difference between the two reads is less than a predetermined value.</p> <p>If TH2 detects that temperature is 170°C or higher at the time when power is first supplied to L3, this error occurs if the TH2 fails to detect warm-up completion temperature within 10 seconds.</p>	Main relay turns OFF and acceptance of all keys is disabled.	Set SW2 (sub power switch) OFF and then back ON. Set to "0" the bit 1 in DIP SW3 in 25 mode. (If you switch power back on without releasing the latch, the error will recur.)	TH1 (fixing temp detector 1) TH2 (fixing temp detector 2) L2 (fixing heater lamp 1) L3 (fixing heater lamp 2) PRDB (printer drive board) DCPS (DC power supply)
	F35-7	<p>Fixing heat roller wrapping jam failure</p> <p>This error occurs during print state if the temperature detected by TH1 (fixing temperature sensor 1) is more than 10 data readings above the temperature data reading obtained 1 second earlier (i.e., temperature is low), and this condition continues for 0.2 seconds.</p>			
	F35-8	<p>Fixing heat roller wrapping jam failure</p> <p>This error occurs during print state if the temperature detected by TH2 (fixing temperature sensor 2) is more than 10 data readings above the temperature data reading obtained 1 second earlier (i.e., temperature is low), and this condition continues for 0.2 seconds.</p>			


Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts
Fixing low temperature abnormalities	F35-9 ⚠	TH1 (fixing temperature sensor 1) bad contact This error occurs during warm-up if TH1 fails to make its first detection of "Ready" temperature within 11 seconds after TH2 (fixing temperature sensor 2) first makes this detection.	Main relay turns OFF and acceptance of all keys is disabled.	Set SW2 (sub power switch) OFF and then back ON. Set to "0" the bit 1 in DIP SW3 in 25 mode. (If you switch power back on without releasing the latch, the error will recur.)	TH1 (fixing temperature sensor 1) TH2 (fixing temperature sensor 2) L2 (fixing heater lamp 1) L3 (fixing heater lamp 2) PRDB (printer drive board) DCPS (DC power supply)
	F35-10 ⚠	TH2 (fixing temperature sensor 2) bad contact This error occurs during warm-up if TH2 fails to make its first detection of "Ready" temperature within 11 seconds after TH1 (fixing temperature sensor 1) first makes this detection.			
Broken fixing sensor (open circuit)	F36-1	TH1 (fixing temperature sensor 1) high temperature error This error occurs if TH1 high temperature error signal is detected continuously for at least 1 second.			
	⚠ F36-2	TH1 (fixing temperature sensor 1) open error Occurs if TH1 open signal is detected.			
	⚠ F36-3	TH2 (fixing temperature sensor 1) high temperature error This error occurs if TH2 high temp error signal is detected continuously for at least 1 seconds.			
	⚠ F36-4	"TH2 (fixing temperature sensor 2) open" error "TH2 open" signal is detected.			


LIST OF WARNING (ERROR) CODES

Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts
Scanner abnormalities	F40-1	Communication error at optics CPU SRGA error (bad parity, overrun, or framing error in received data) or by transmission timeout [100ms].	If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF.	Switch SW2 (sub power switch) OFF/ON.	SCDB (scanner drive board)
	F40-9	Communication error at optics CPU SRGA error (protocol error in receive control signal [SREQ, SACK]).			
	F41-1	M2 (optical drive) drive error Occurs at exposure unit initial search or at exposure unit return scan if PS14 (optics home-position) fails to turn ON within a predetermined time.			M2 (optical drive) SCDB (scanner drive board)
	F43-1	L1 (exposure lamp) error Occurs if L1 error signal is detected continuously for 500msec (excluding first 500msec after L1 ON).			L1 (exposure lamp)
Image processing abnormalities	F46-1	Laser-driver error Caused by overcurrent in laser output.	Scanner stops immediately.		Laser diode LDB (laser drive board) CB (overall control board)
	F46-8	Laser index error Occurs if index period is different from expected value.			INDEX (index sensor board) M5 (polygon) Laser route CB (overall control board)
	F46-10	AOC error AOC counter overflow			ADB (A/D conversion board) L1 (exposure lamp) INV1 (exposure lamp inverter) Exposure unit stop position CB (overall control board)


Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts
Image processing abnormalities	F46-11	AGC error AGC counter overflow	Scanner stops immediately.	Switch SW2 (sub power switch) OFF/ON.	ADB (A/D conversion board) L1 (exposure lamp) INV1 (exposure lamp inverter) exposure unit stop position CB (overall control board)
	F49-2	LDB (laser drive board) connection error	If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF.		LDB (laser drive board) CB (overall control board)
	F49-4	INDEX (index sensor board) connection error			INDEX (index sensor board) CB (overall control board)
	F49-6	ADB (A/D conversion board) connection error	Scanner stops immediately.		ADB (A/D conversion board) CB (overall control board) flex wire bundle
Motor speed abnormalities	F51-4	M3 (developing) speed error EM detect signal (developing_motor_em) detected 5 times at 100msec intervals.	If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF.	M3 (developing) PRDB (printer drive board)	
	F51-5	M1 (main) speed error EM detect signal (drum_motor_em) detected 5 times at 100msec intervals.		M1 (main) PRDB (printer drive board)	
	F51-6	M5 (polygon) speed error M5 was not locked 5 sec. after starting to run.		M5 (polygon) PRDB (printer drive board)	
Fan lock abnormalities	F52-1	FM3 (Internal dehumidifying fan) error EM detect signal detected 5 times at 100msec intervals.		FM3 (internal dehumidifying) PRDB (printer drive board)	
	F52-2	FM2 (fixing cooling fan) error EM detect signal detected 5 times at 100msec intervals. (Clear if detection counter is not EM).		FM2 (fixing cooling) PRDB (printer drive board)	
	F52-3	FM4 (internal cooling) error EM detect signal detected 5 times at 100msec intervals. (Clear if detection counter is not EM).		FM4 (internal cooling) PRDB (printer drive board)	
	③ F52-4	FM5 (developing suction) error EM detection signal detected 5 times at 100 msec intervals. (Clear if detection counter is not EM.)		FM5 (developing suction) PRDB (printer drive board)	
	③ F52-6	IP CPU fan abnormal		Printer controller (IP-421/422)	



LIST OF WARNING (ERROR) CODES

Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts
Image control communication abnormalities	E56-1	Communication error between system-control and engine-control sections of the CB (overall control board). Occurs if CB fails to responds when SW2 (sub power) turns ON. (10sec.)	Engine power supply OFF	Switch SW2 (sub power switch) OFF/ON. (CB reset)	CB (overall control board)
	E56-2	Communication error between system-control and engine-control sections of the CB (overall control board). Process READY signal not detected for 30sec. during standby.			CB (overall control board)
	E56-3	Communication error between system-control and engine-control sections of the CB (overall control board). Scanner READY signal is not detected for 30sec. during standby.			CB (overall control board)
	E56-4	Communication error between system-control and engine-control sections of the CB (overall control board). Finisher READY signal is not detected for 30sec. during standby.			CB (overall control board) FSCB (FS control board)
	E56-5	Communication error between system-control and engine-control sections of the CB (overall control board). Platen-original size notification timeout (5sec.).			CB (overall control board)
Operations unit control abnormalities	E56-6	Operation status error Memory access error at copy insertion.			CB (overall control board)
	E56-7	Control error at panel manager			
	E56-8	Operation drawing error Screen-data drawing mismatch			
	E56-9	Operation drawing error Drawing-component data error			
	 E56-10	Operation panel communication error			CB (overall control board) OB (operation board)
Main body abnormalities	F56-11	Main-body identification error Detected CB (overall control board) (ROM) for different machine.	Machine cannot be used.	Switch SW2 (sub power switch) OFF/ON, then overwrite the overall control ROM-ISW.	CB (overall control board)

Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts		
DF-314	F60-1	RADF communication error <ul style="list-style-type: none"> Caused by SRGA error detection (bad parity, overrun, or framing error in received data) or by transmission timeout [100ms]). Caused by SRGA error detection (protocol error in receive control signal [SREQ, SACK]). 	RADF cannot be used.	Switch SW2 (sub power switch) OFF/ON.	DFCB (RADF control board) CB (overall control board)		
	F60-11	RADF flash-ROM error Detected checksum error in RADF flash ROM.				Switch SW2 (sub power switch) OFF/ON, then overwrite the RADF ROM-ISW.	DFCB (RADF control board)
	F67-3	Error in RADF nonvolatile memory Error in reading or writing the nonvolatile memory.				Switch SW2 (sub power switch) OFF/ON.	DFCB (RADF control board) CB (overall control board)
FS-107	F70-1	FNS communication error Caused by SRGA error detection (bad parity, overrun, or framing error in received data) or by transmission timeout [100ms]).	If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF.		CB (overall control board) FSCB (FS control board)		
	F70-9	FNS communication error Caused by SRGA error detection (protocol error in receive control signal [SREQ, SACK]).					
	F70-11	FNS flash-ROM error Detected checksum error in FNS flash ROM.	FNS cannot be used.	Switch SW2 (sub power switch) OFF/ON, then overwrite the FNS ROM-ISW.	FSCB (FS control board)		
	 F77-2	M706 (tray up/down) drive error 1. Following removal of paper, tray failed to reach PS711 (tray upper limit detect) or PS706 (tray lower limit detect) within 10 sec. after start of tray up. 2. During copying, tray failed to reach PS711 (tray upper limit detect) or PS706 (tray lower limit detect) within 10 sec. after start of tray up.	If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF.	Switch SW2 (sub power switch) OFF/ON.	M706 (tray up/down), FSCB (FS control board) PS711 (tray upper limit detect) PS706 (tray lower limit detect)		

LIST OF WARNING (ERROR) CODES

Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts
FS-107	F77-3	M704 (alignment (front)) drive error 1. Failed to reach HP within 1 second after start of alignment-plate HP search. 2. PS710 (alignment-plate HP detect (front)) failed to turn OFF within 1 seconds after start of alignment-plate size position shift.	If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF.	Switch SW2 (sub power switch) OFF/ON.	M704 (alignment (front)) PS710 (alignment-plate HP detect (front)) FSCB (FS control board)
	F77-5	M707 (paper-pressure) drive error M707 failed to complete 1 rotation within 500msec after starting to run.			M707 (paper-pressure) FSCB (FS control board)
	 F77-6	M705 (stapler shift) drive error 1. Stapler unit failed to reach PS708 (stapler unit HP detect) within 1 seconds after the commencement of a stapler home search. 2. PS708 (stapler unit HP detect) failed to turn OFF within 1 second after start of double stapling standby position shifting.			FSCB (FS control board) M705 (stapler shift) PS708 (stapler-unit HP detect)
	F77-11	Stapler reversal error Stapler failed to read PS712 (stapler HP detect) within 500msec after start of M708 (stapler) reverse drive.			FSCB (FS control board) M708 (stapler)
	F77-16	M703 (alignment (rear)) drive error 1. Failed to reach HP within 1 second after start of alignment-plate HP search. 2. PS709 (alignment-plate detect (rear)) failed to turn OFF within 1 seconds after start of alignment-plate size position shift.			M703 (alignment (rear)) PS709 (alignment-plate detect (rear)) FSCB (FS control board)
	F77-18	M709 (cooling fan) drive error Lock condition (lasting more than 10 seconds) was detected any time from 10 seconds after operation start following operation stop.			M709 (cooling fan) FSCB (FS control board)
Nonvolatile memory	F80-1	Error in main body's nonvolatile memory Detected abnormal function parameter.	Factory settings are copied.	Switch SW2 (sub power switch) OFF/ON. (CB reset)	PRMB (Parameter memory board)
	F80-2	Error in main body's nonvolatile memory Detected error in stored factory data.			
	F80-3	Error in main body's nonvolatile memory Detected abnormal function parameter, error in stored factory data.			
	F80-4	Error in main body's nonvolatile memory Unable to access function parameter.			
	F80-5	Error in main body's nonvolatile memory Unable to access stored factory data.			

Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts
Flash ROM	F81-1	Error in image-control flash ROM Detected checksum error in CB's image-control ROM.	Engine power supply OFF	Switch SW2 (sub power switch) OFF/ON, then overwrite the image-processing flash ROM.	CB (overall control board)
	F81-2	Software error Overall control and image control have non-matching software device types.		Switch SW2 (sub power switch) OFF/ON, then overwrite the flash ROM.	
	F81-3	OEM compatibility error			
Printer board	E87-1	Printer controller not identified. Printer controller did not respond. (But copier and fax can be used.)	Only the printer cannot be used. 	Switch SW1 (main power switch) OFF/ON.	Optional printer controller
	F87-2	Printer-controller error Error F87-1 occurred 3 times in succession.	Engine power supply OFF 	Switch SW2 (sub power switch) OFF/ON. (CB reset)	
	F87-3	Printer board HDD error HDD cannot be accessed.			
Image processing	E88-1	Image error Error detected in image processing at overall control side.	Main relay and 24 V power supply go OFF at the end of		CB (overall control board)
CB (overall control board) communication abnormalities	E89-1	Copy sequence error Error in job object pointer. (Could not get page-control object for some reason.)	copying. Engine power supply OFF		
	E89-2	Copy sequence error Error in memory copy sequence. (Cause unknown)			
	E89-3	Copy sequence error Error in through copy sequence (FCOT). (Cause unknown)			
	E89-4	Copy sequence error Memory scanner did not complete stop. (Notification of stop completion not received from engine.)			
	E89-5	Copy sequence error Memory printer did not complete stop. (Notification of stop completion not received from engine.)			

LIST OF WARNING (ERROR) CODES

Classification	Warning code	Causes	Resulting operation	Correction	Estimated abnormal parts
CB (overall control board) communication abnormalities	E89-6	Sub power switch OFF processing wait timeout	Main relay and 24 V power supply go OFF at the end of copying. All indicators on the operation panel light.	Switch SW2 (sub power switch) OFF/ON. (CB reset)	CB (overall control board)

Note: For details of E86-xx and other FAX-related error codes, refer to the FK service handbook.

About abnormal units isolation

The following table shows how defective units are cut off (by software) in accordance with the error type.

Error code	Error	Unit to be cut off	Remarks
18-1	Error in main body upper tray	Main body upper tray	Tray can not be selected.
18-2	Error in main body lower tray	Main body lower tray	Tray can not be selected.
18-3	Error in DB upper tray	DB upper tray	Tray can not be selected.
18-4	Error in DB lower tray (LCT)	DB lower tray, LCT	Tray can not be selected.
60-1, -9, 67-1, -3	RADF error	RADF	RADF can not be used.
70-1, -9, -11	FNS error (Note)	FNS	FNS can not be used; FNS must be removed.
77-2	Error in FNS tray up/down drive (Note)	FNS	FNS can not be used; FNS must be removed.
77-3, -16	Error in FNS alignment-plate, pressure motor	FNS alignment unit	Only straight exit remains available.
③ 77-5	Error in FNS paper-pressure motor	FNS	FNS can not be used; FNS must be removed.
77-6, -11	FNS stapler error	FNS alignment unit	Only straight exit remains available.
③ 77-18	Error in FNS cooling fan motor	FNS	FNS can not be used; FNS must be removed.
86-2, -3	Fax-board error	Fax	Copying and printing remain enabled.
87-2, -3	Printer-board error	Printer	Copying and faxing remain enabled.

Unit isolation Method

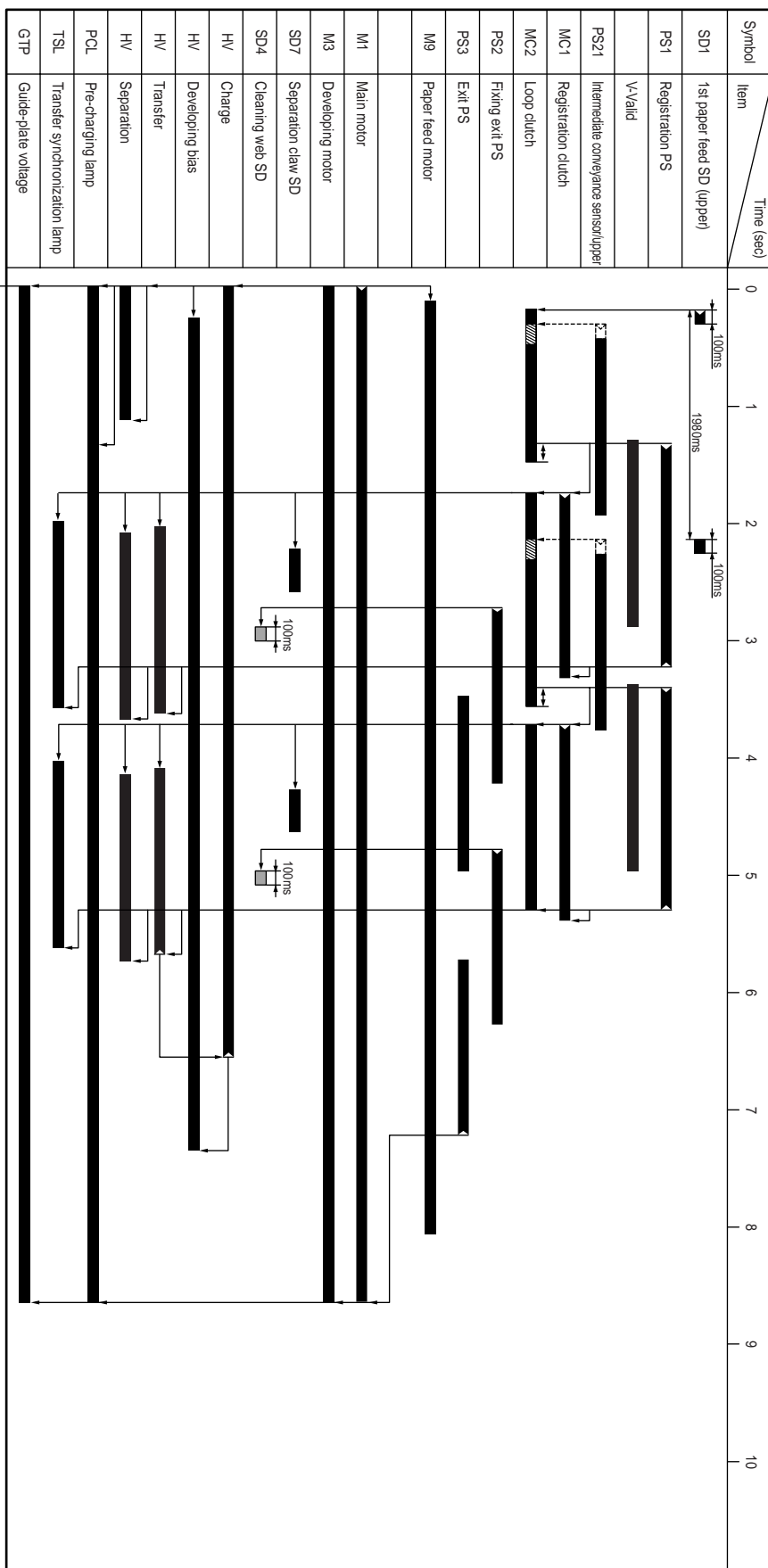
Upon the occurrence of any of the error codes shown above, the defective unit will be cut off from the system (by software) when you press the [AUTO RESET] key and then switching SW2 (sub power) OFF/ON. Other functions will remain available. Note that if you don't clear the problem in the defective unit, the error will be detected again (and the error code displayed again) the next time you turn SW2 OFF/ON. (This cutoff feature is effective one time only.)

③ **Note:** If F70-1, -9, -11 or 77-2, -5, -18 occurs, you cannot separate the unit concerned using the above procedure. In this case, you must either remove the cause of the error code or remove the FNS, otherwise printing will not take place.

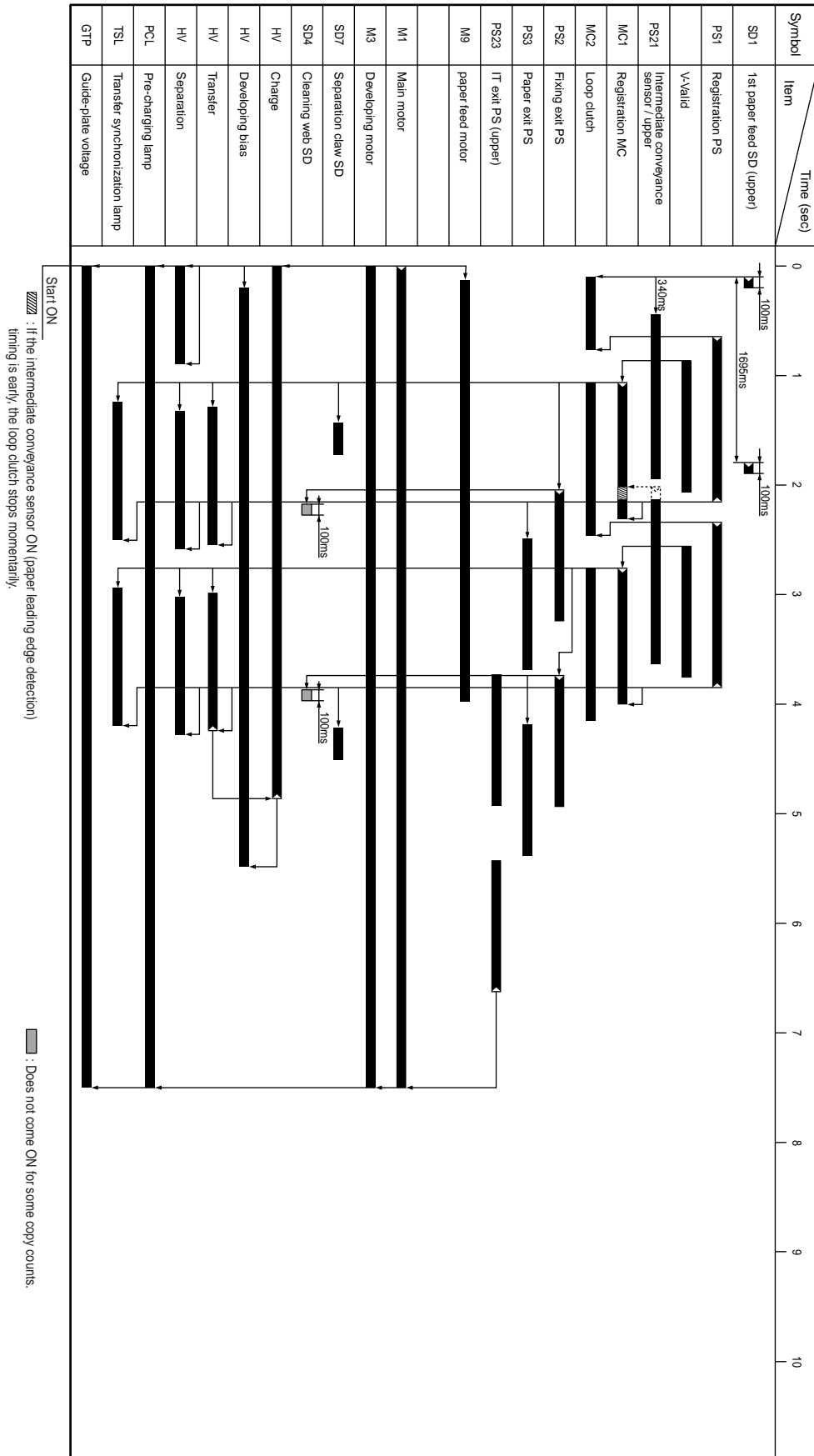
L detection error code list

Code	Cause	Clearance method	Suspected defective part
0003	The TDS (toner density sensor) output ripple at the end of L detection was 0.5 V or less.	SW2 (sub power switch) OFF/ON	<ul style="list-style-type: none"> • Developing unit connector • TDS (toner density sensor) • PRDB (printer drive board)
0004	The TDS (toner density sensor) output ripple while the developer is being agitated during L detection adjustment was 0.02 V or less (there is almost no change in output).	SW2 (sub power switch) OFF/ON	<ul style="list-style-type: none"> • M1 (main motor) • Developing agitator screw • Developing unit connector • TDS (toner density sensor) • PRDB (printer drive board)
0005	TDS (toner density sensor) control voltage cannot be adjusted to within the range 5.76~7.46 V.	SW2 (sub power switch) OFF/ON	<ul style="list-style-type: none"> • Developer • TDS (toner density sensor) • PRDB (printer drive board)
0006	TCSB (toner control sensor board) output signal D/A conversion error	SW2 (sub power switch) OFF/ON	<ul style="list-style-type: none"> • PRDB (printer drive board) • TCSB (toner control sensor board)

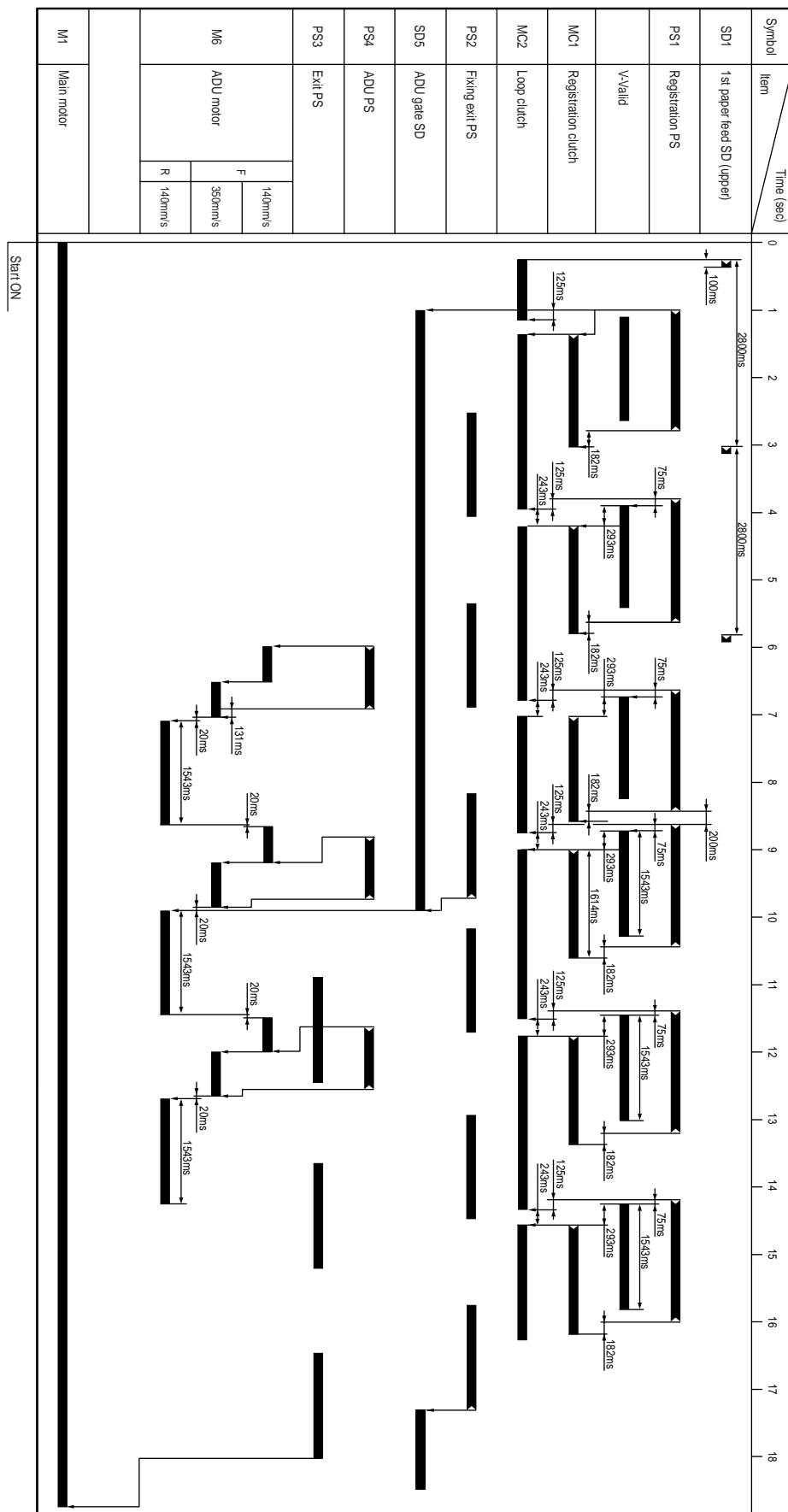
1 7030 TIME CHART (8.5X11, LIFE SIZE, 2 COPIES, FEED FROM TRAY 1)



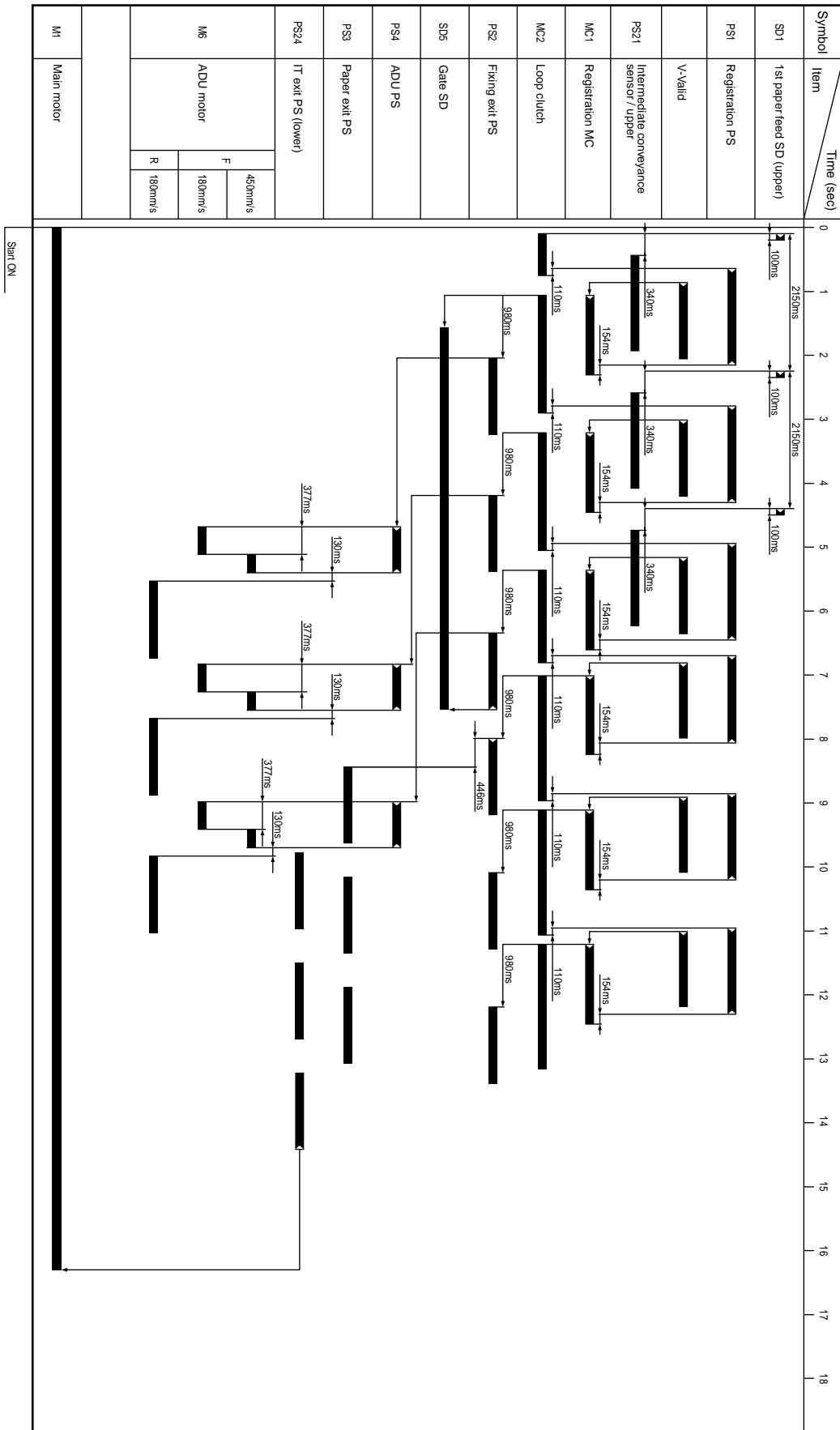
2 7035 TIME CHART (8.5X11, LIFE SIZE, 2 COPIES, FEED FROM TRAY 1)



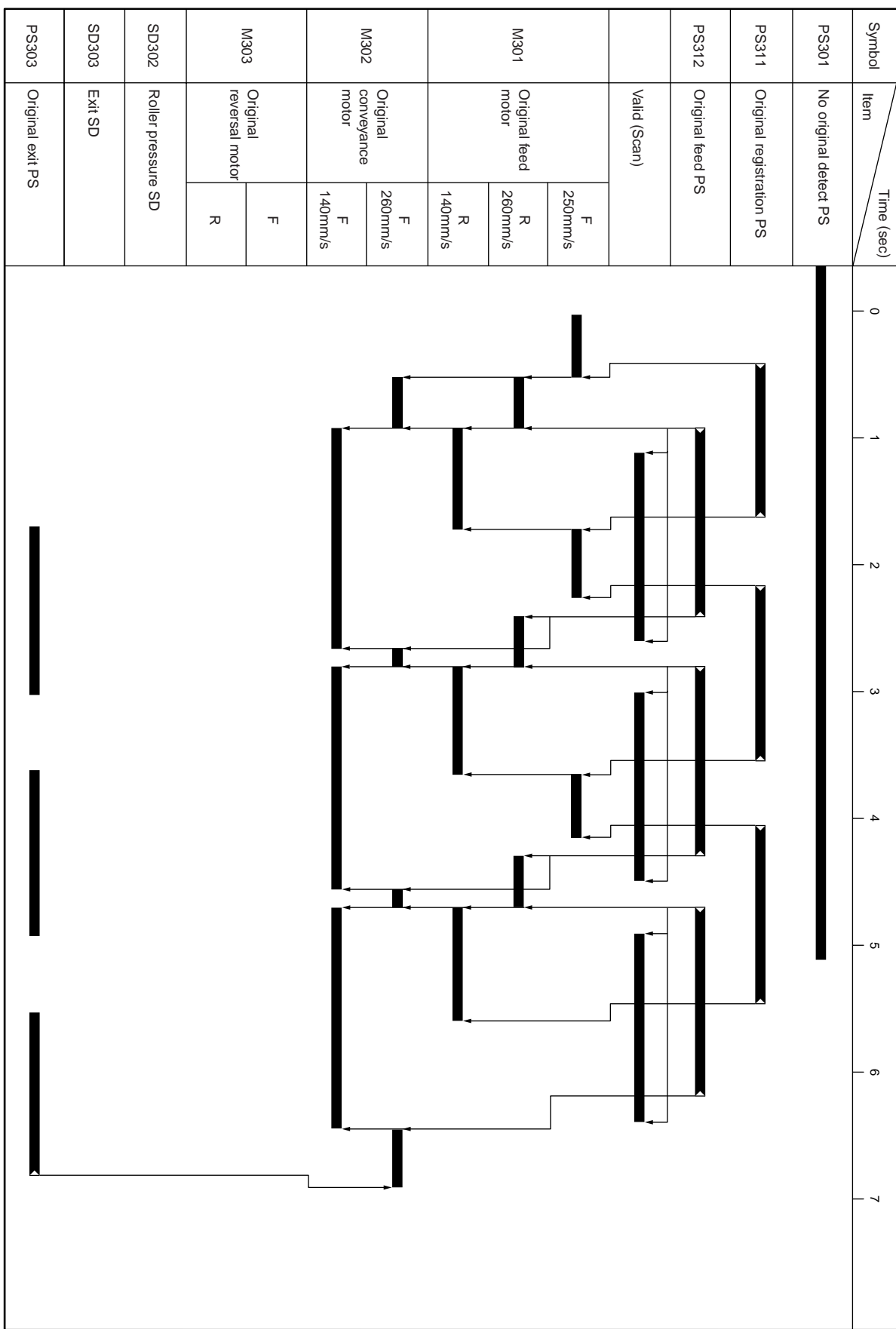
7020ADU TIME CHART (8.5X11, LIFE SIZE, 3 COPIES, FEED FROM TRAY 1)



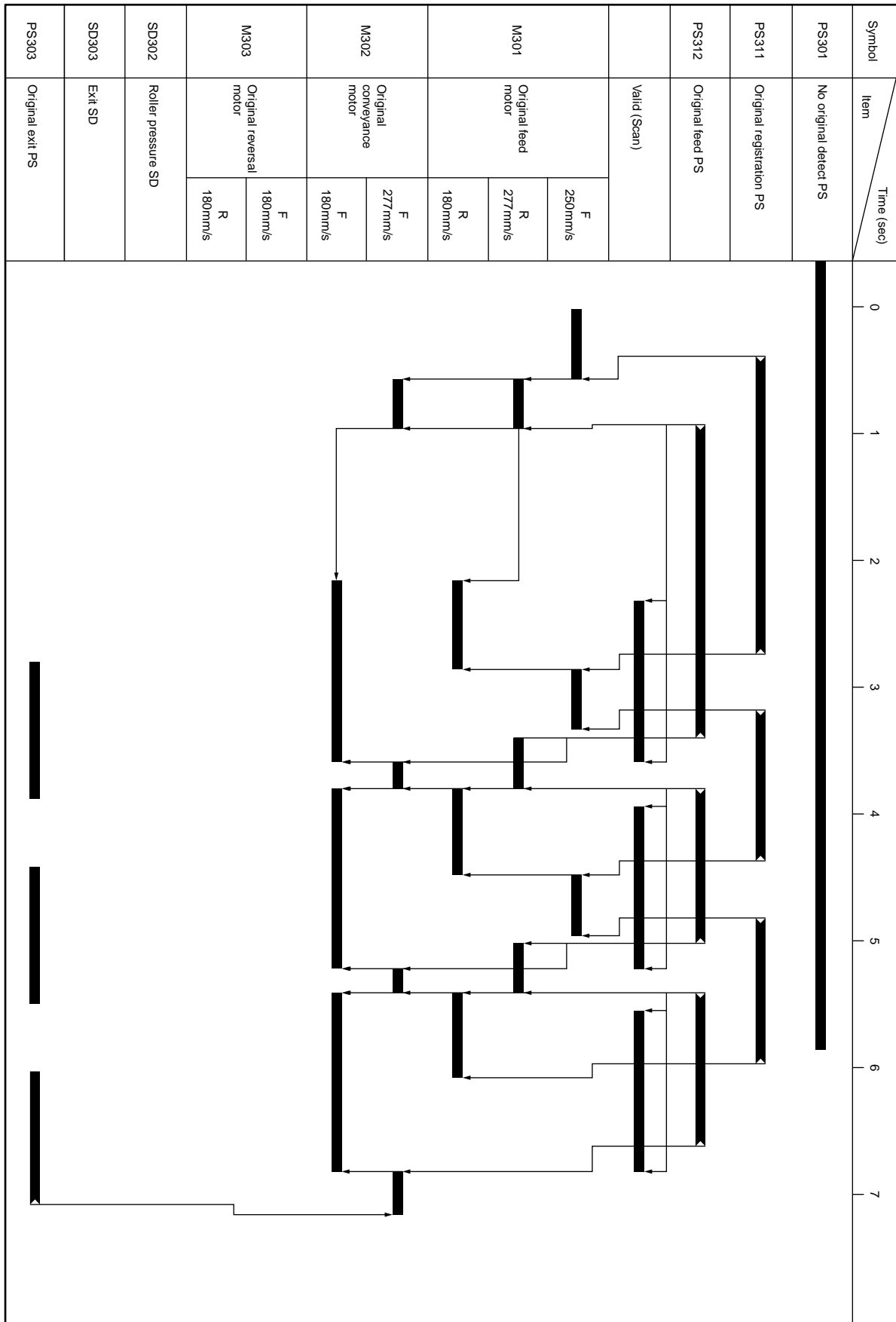
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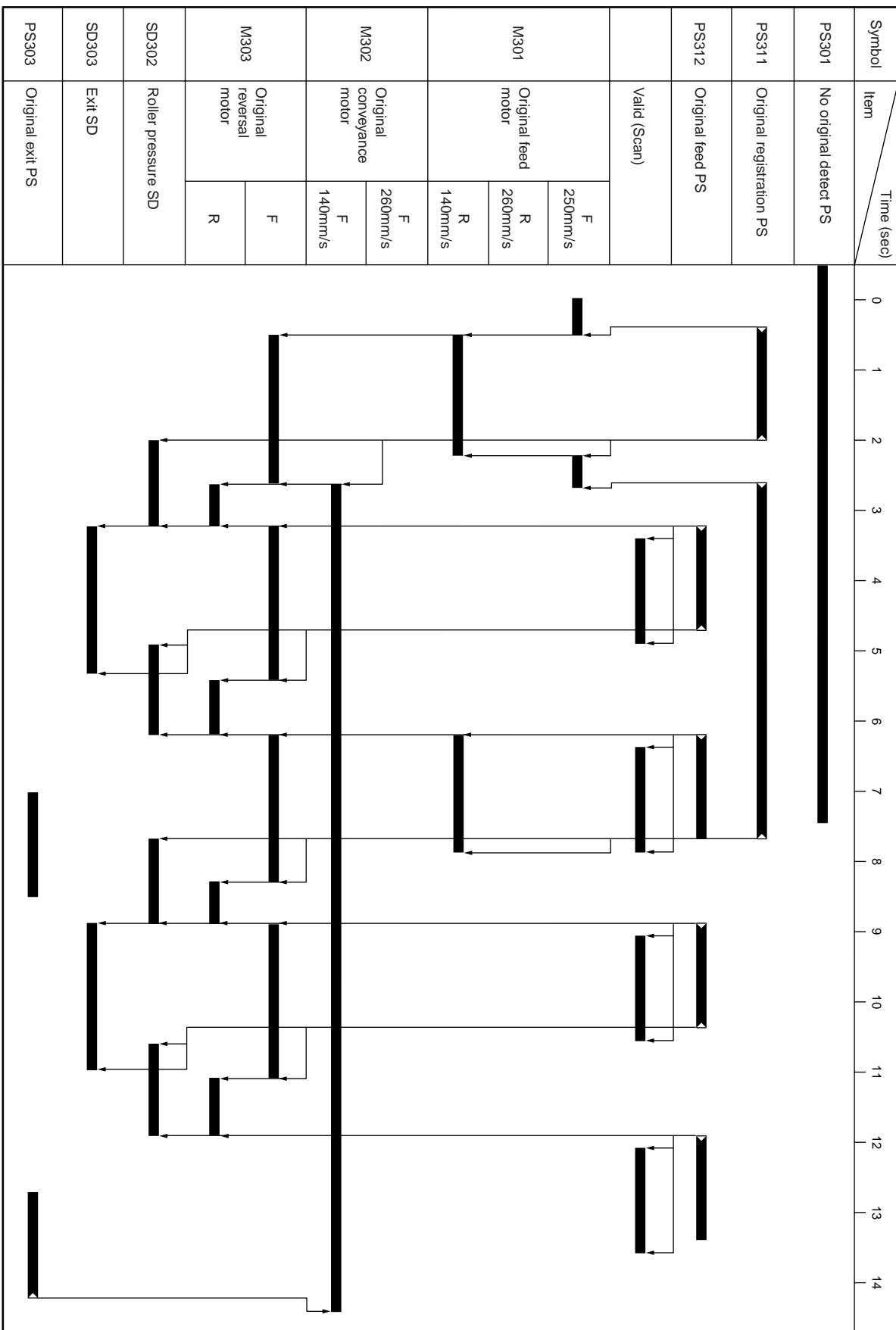
DF-314 TIME CHART (8.5X11, SINGLE SIDE ORIGINAL, 3 SHEETS)



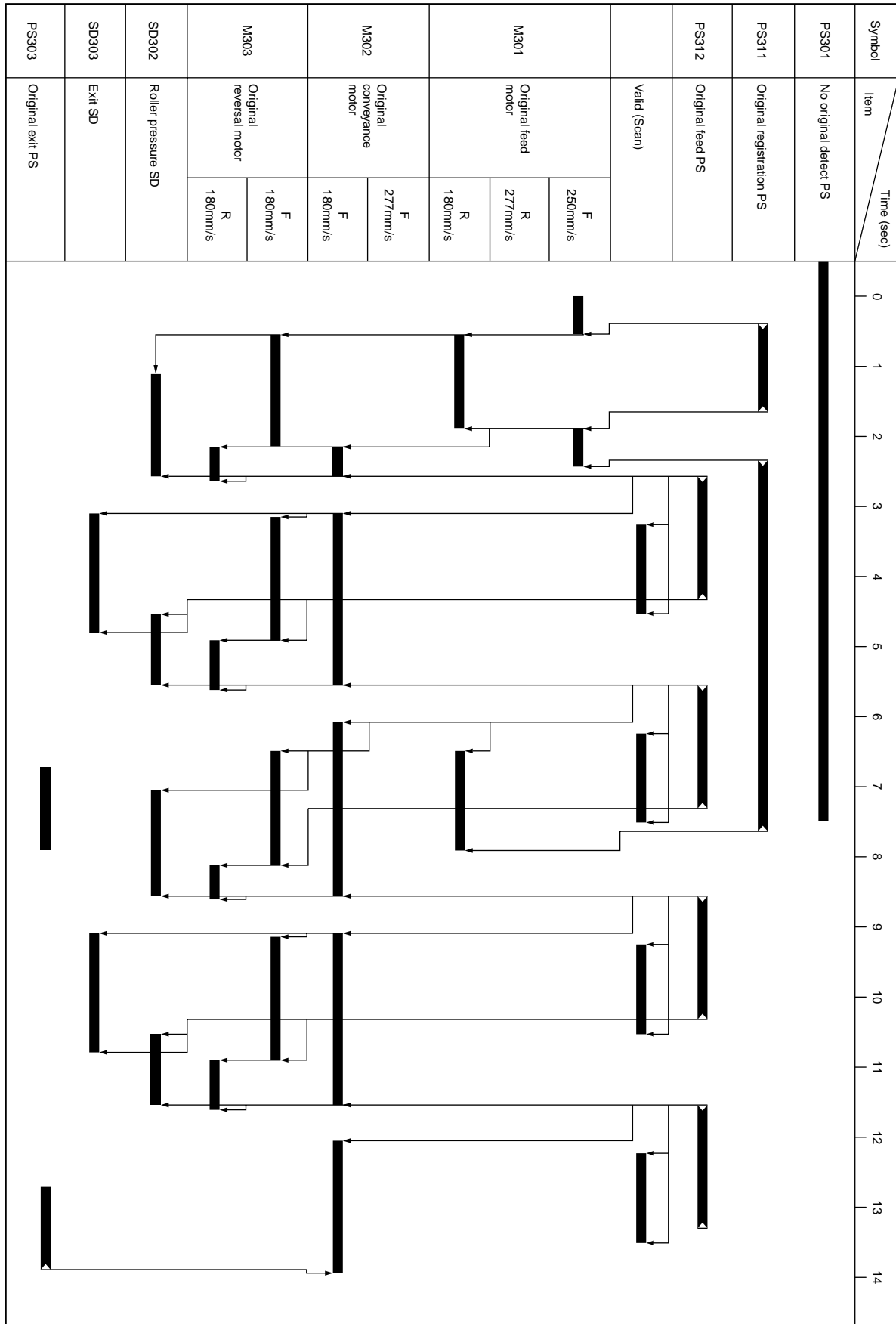
7035/DF-314 TIME CHART (8.5X11, SINGLE SIDE ORIGINAL, 3 SHEETS)



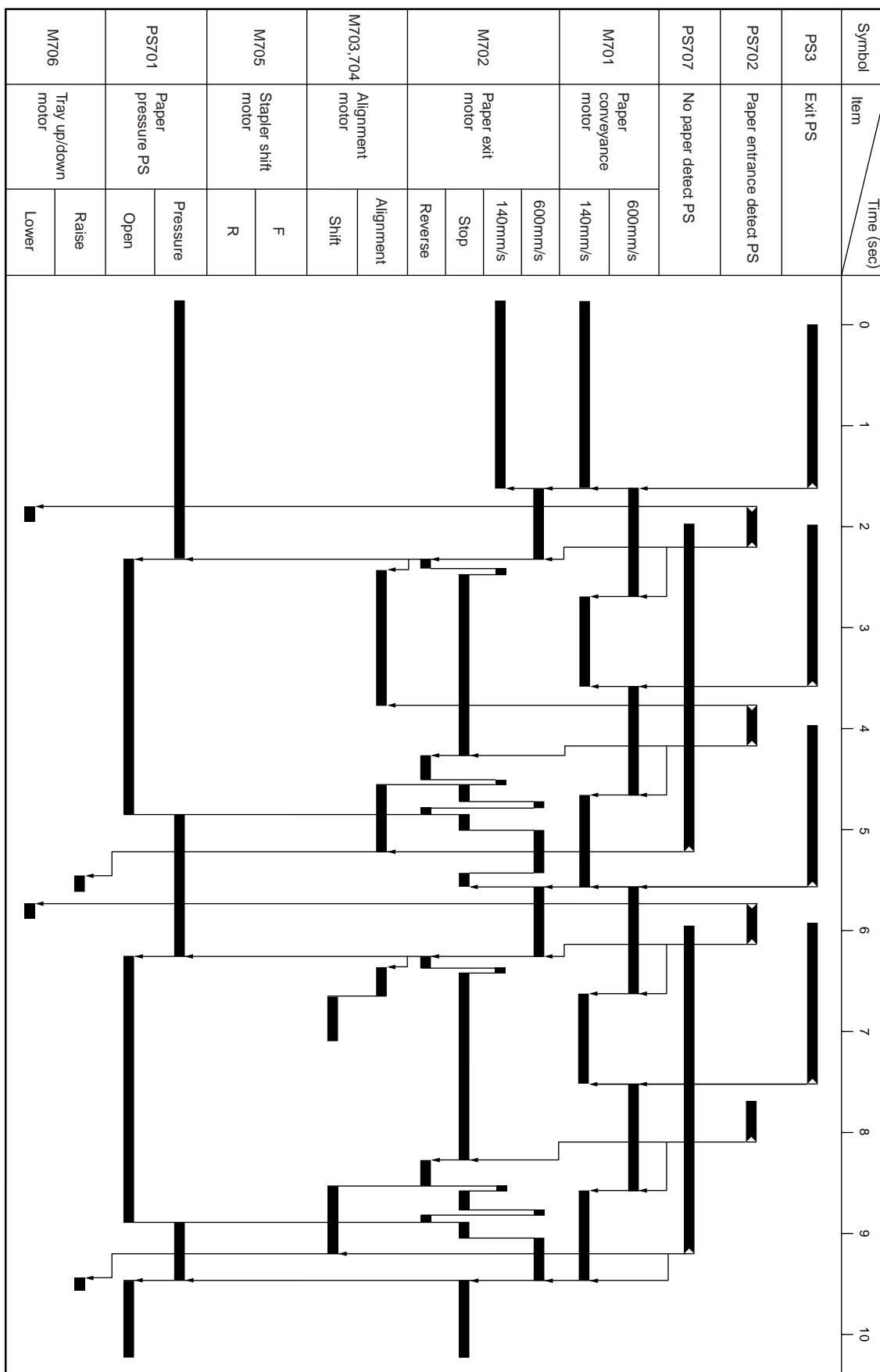
DF-314 TIME CHART (8.5X11, DOUBLE SIDE ORIGINALS, 2 SHEETS)



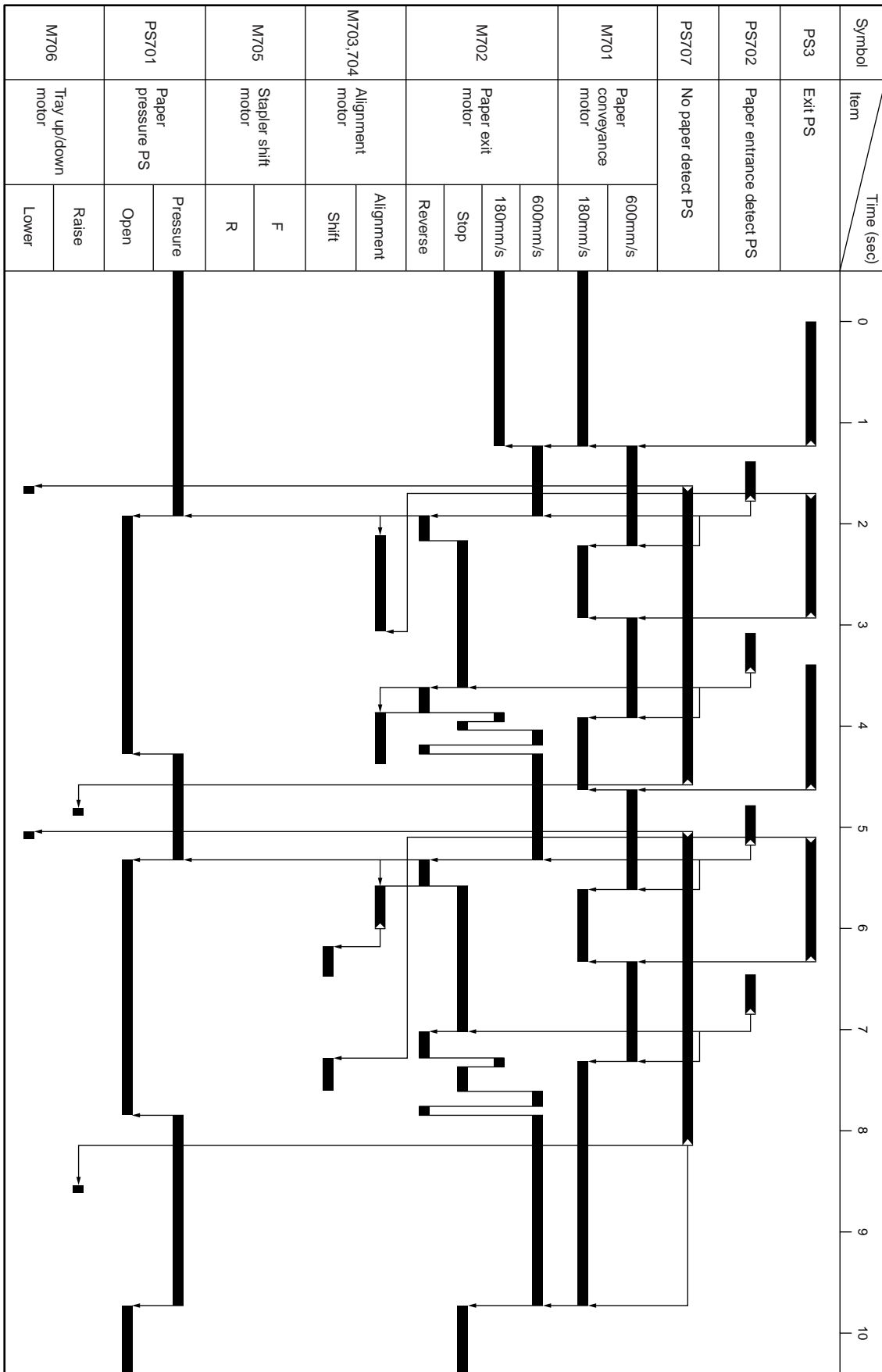
2 7035/DF-314 TIME CHART (8.5X11, DOUBLE SIDE ORIGINALS, 2 SHEETS)



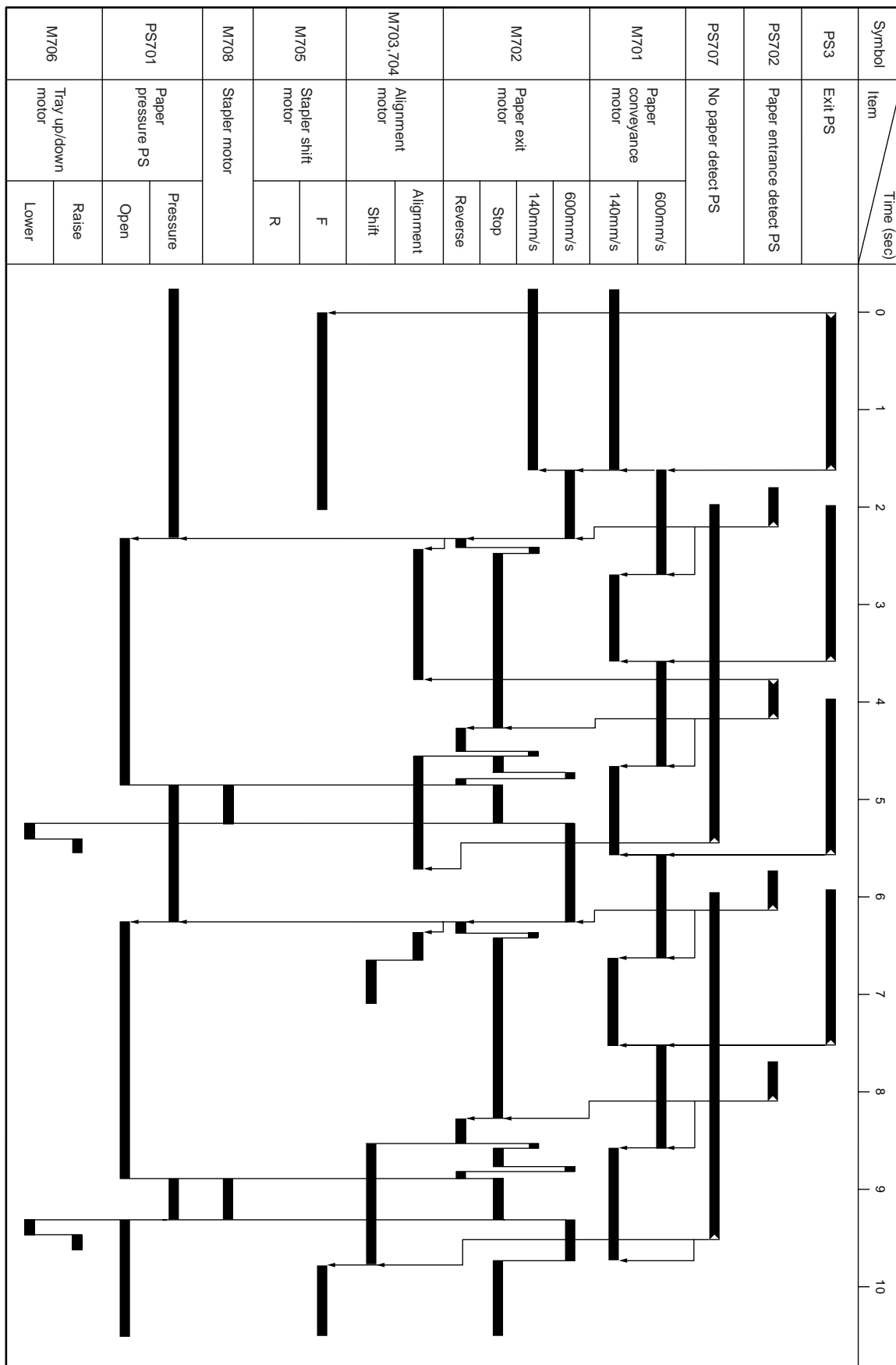
FS-107 TIME CHART (8.5X11, SORT MODE, 2 SHEETS, 2 SETS)



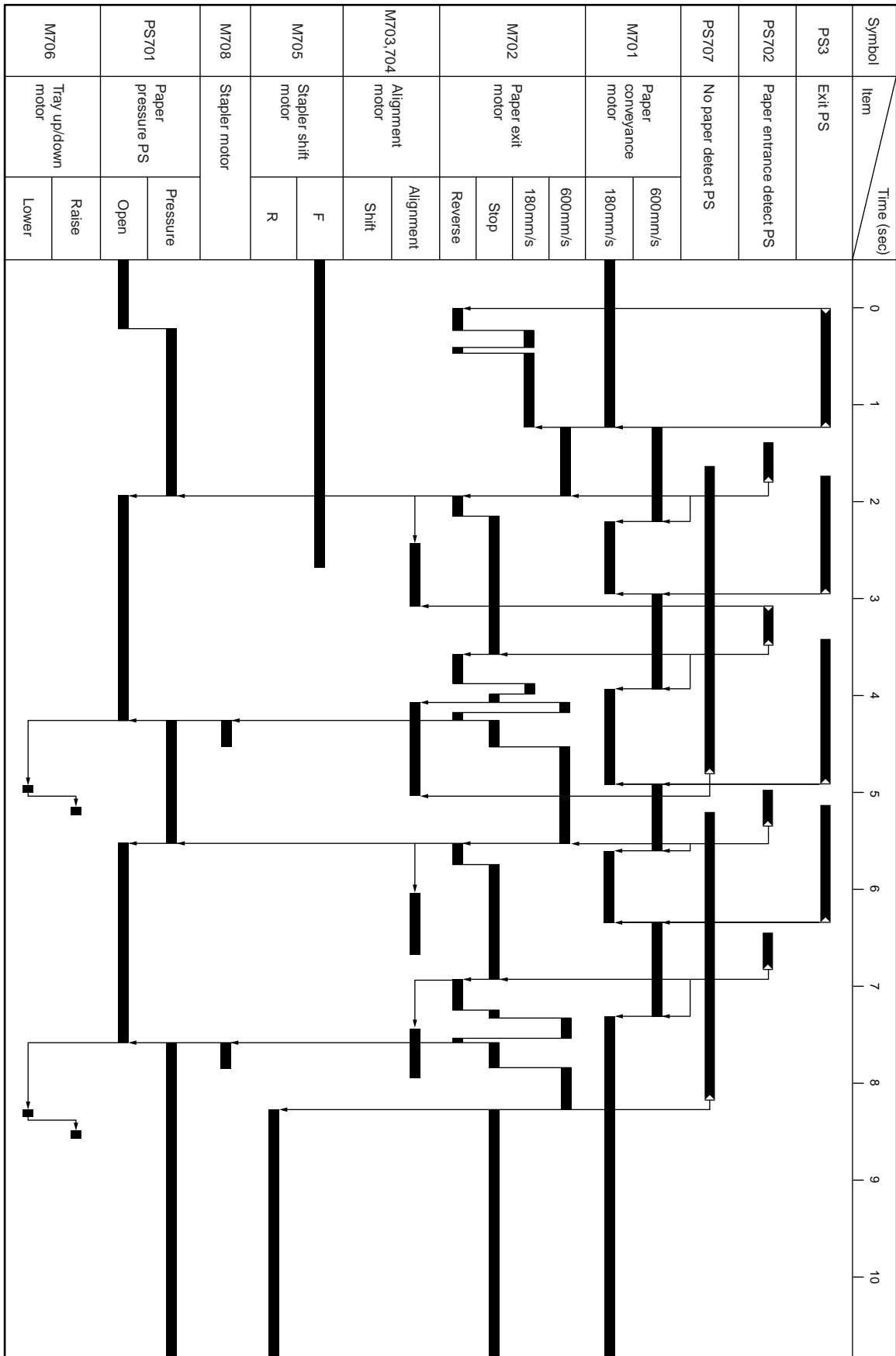
7035/FS-107 TIME CHART (8.5X11, SORT MODE, 2 SHEETS, 2 SETS)



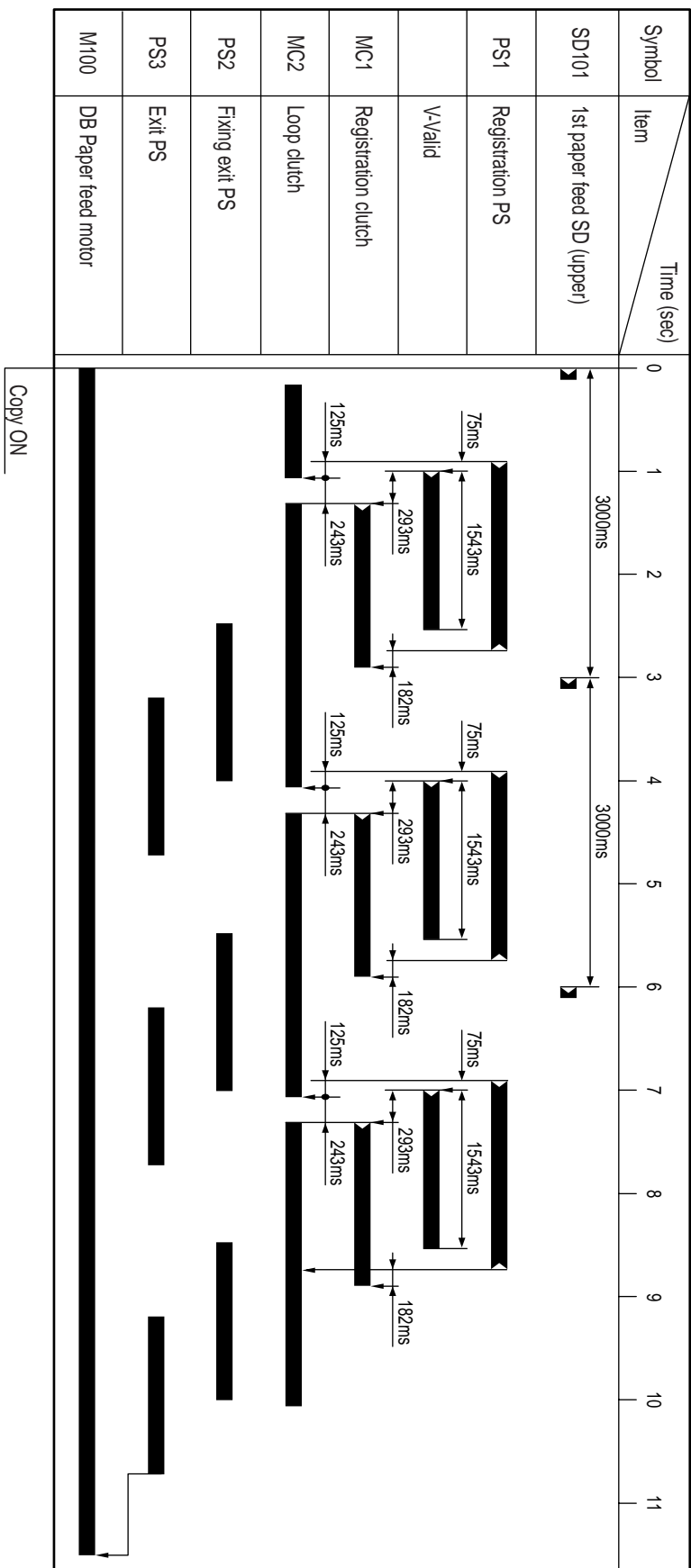
FS-107 TIME CHART (8.5X11, STAPLE MODE, 2 SHEETS, 1 POSITION)



7035/FS-107 TIME CHART (8.5X11, STAPLE MODE, 2 SHEETS, 1 POSITION)

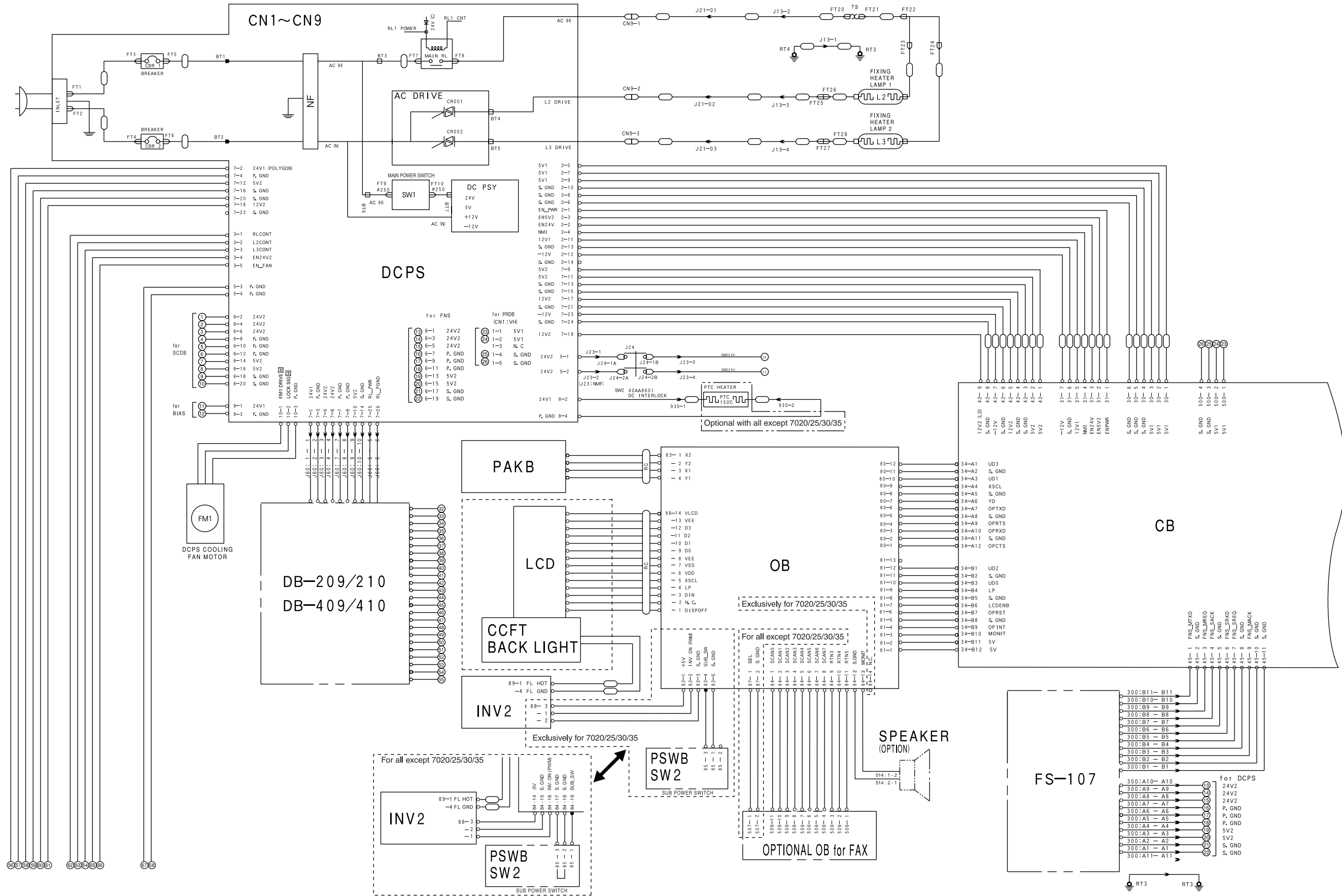


DB-209/DB409 TIME CHART (8.5X11, LIFE SIZE, 3 COPIES, FEED FROM TRAY 3)

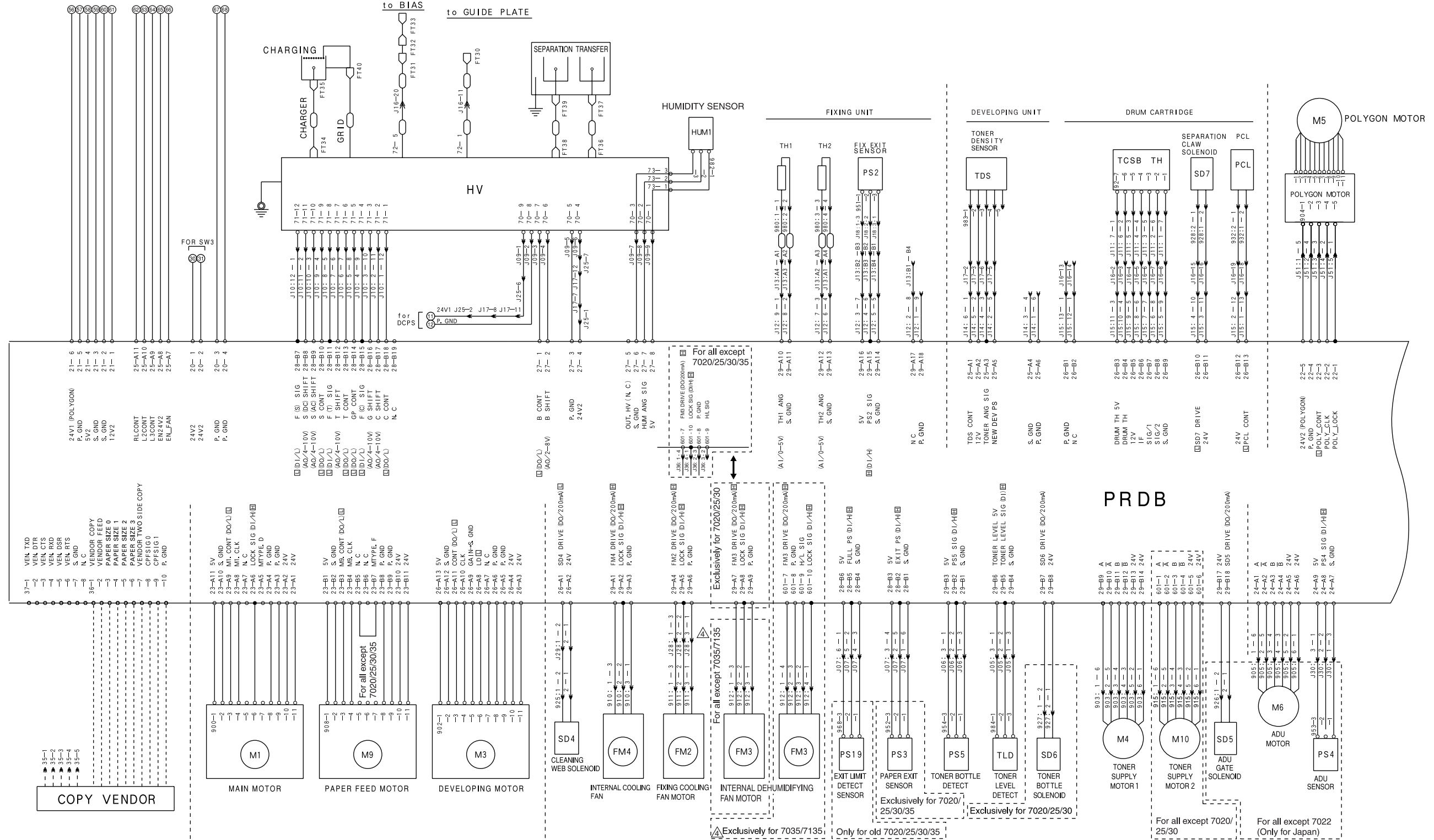


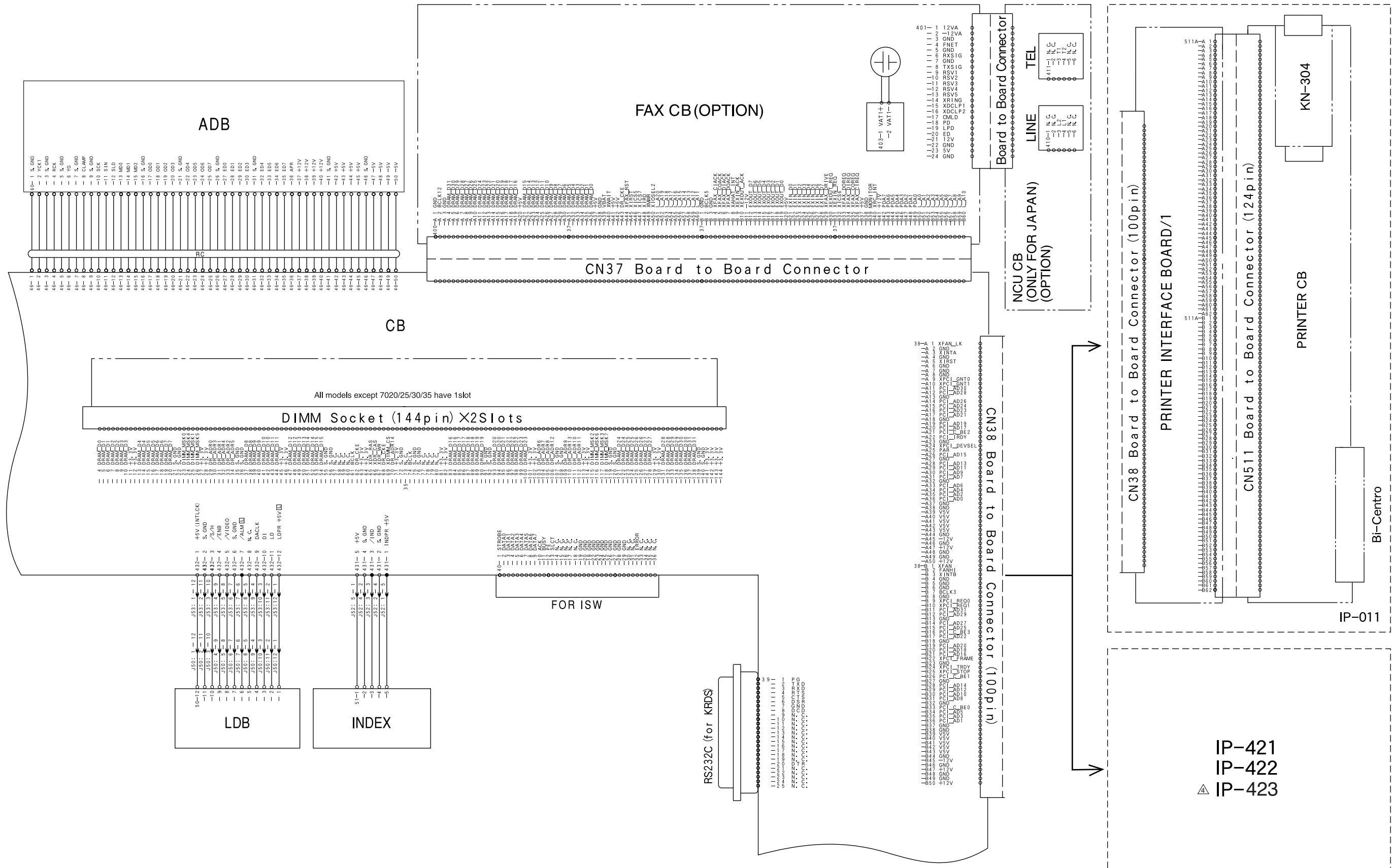
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7020 SERIES WIRING DIAGRAM (1/4)

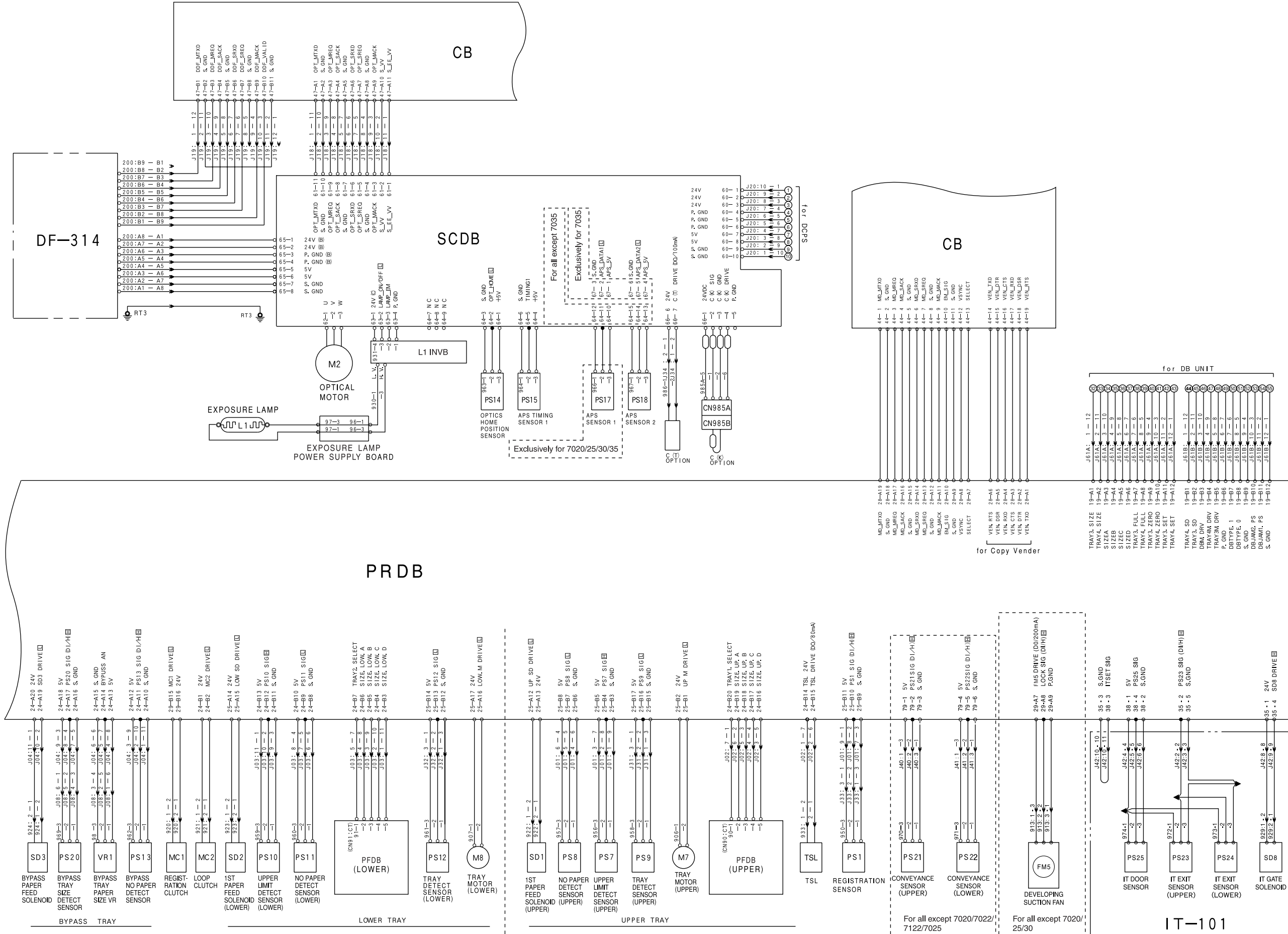


7020 SERIES WIRING DIAGRAM (2/4)





7020 SERIES WIRING DIAGRAM (4/4)



[How to see the diagram]
 1. The signals shown reflect levels present under normal idling conditions with the main switch turned ON.
 2. Wiring symbols in the figure are as follows.

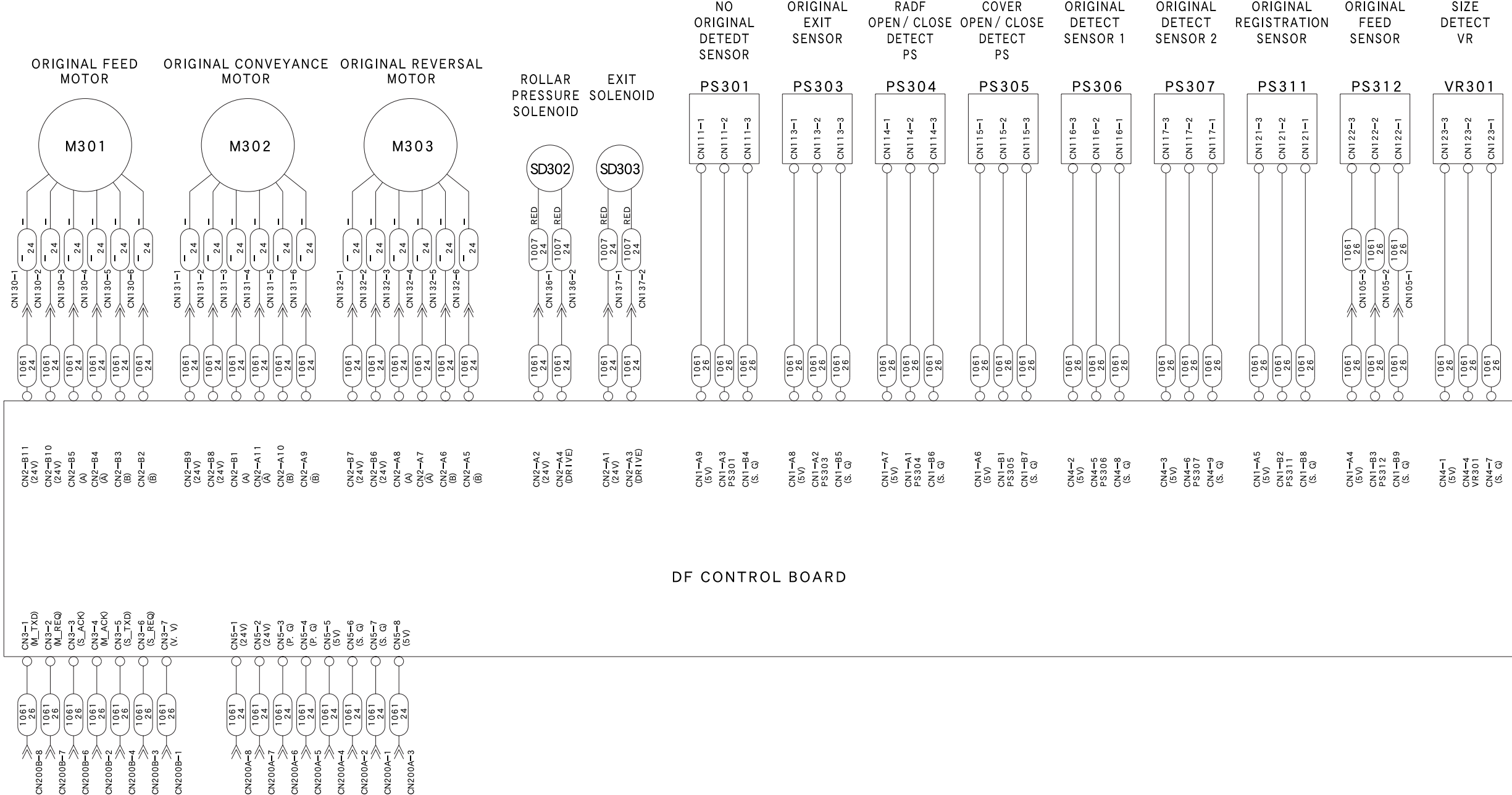
(1) [Symbol] Crimp, Connector, Relay connector, Faston

(2) Signal types are as follows:
 [Symbol] High level
 [Symbol] Low level
 [Symbol] Analog signal
 [Symbol] Pulse signal

(3) [Symbol] is the flat cable.

(4) Signal flow
 The solid black circle (●) among the connector symbols (○) indicates the direction of signal flow.
 Example)

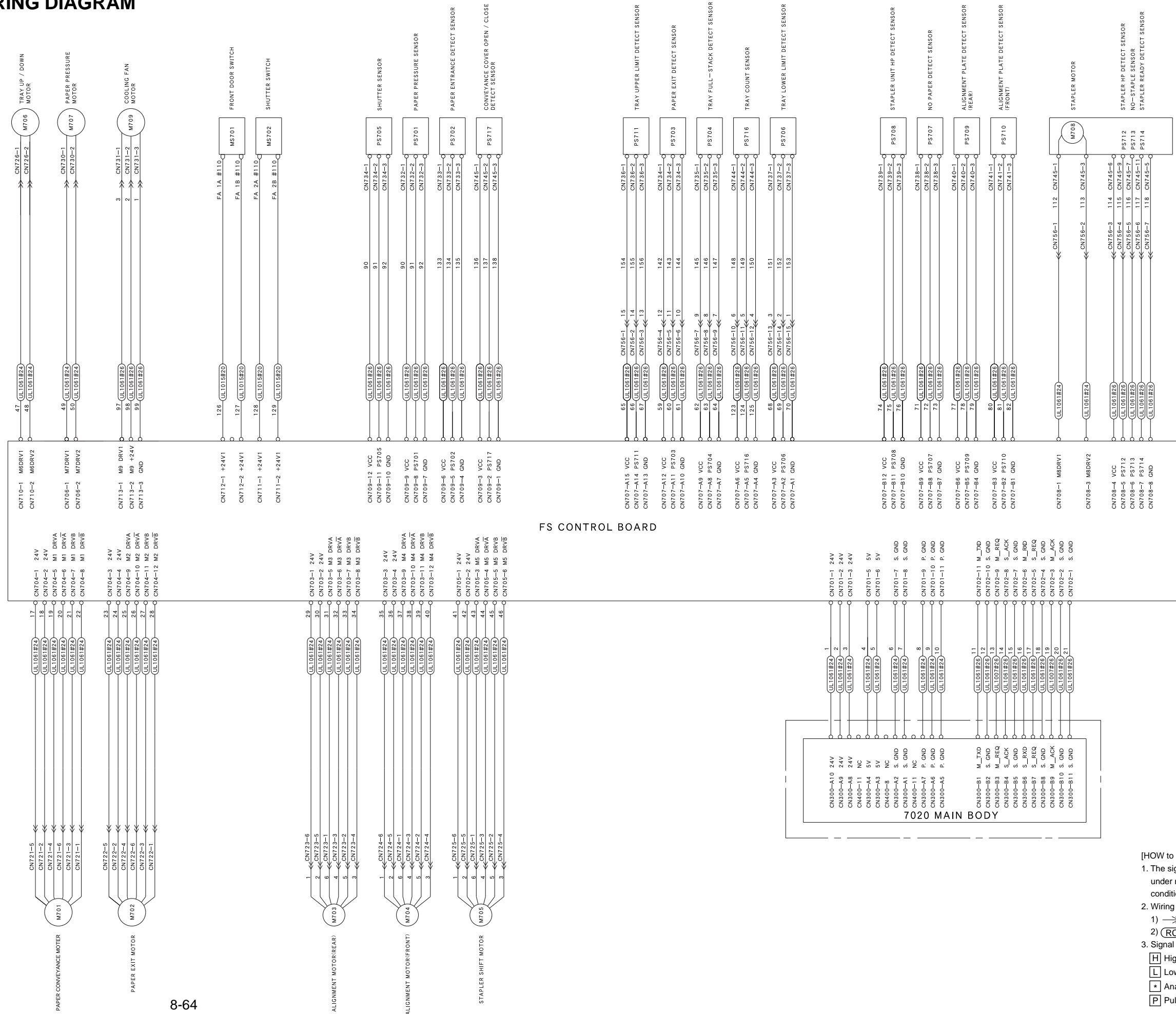
DF-314 OVERALL WIRING DIAGRAM



[HOW to see the diagram]

- The signals shown reflect levels present under normal idling conditions with the main switch turned ON.
- Wiring symbols in the figure are as follows.
 - is Connector
 - Ⓜ is ribbon cable
- Signal symbols in the figure are as follows.
 - Ⓜ High active
 - Ⓛ Low active
 - Ⓜ Analog signal
 - Ⓜ Pulse signal

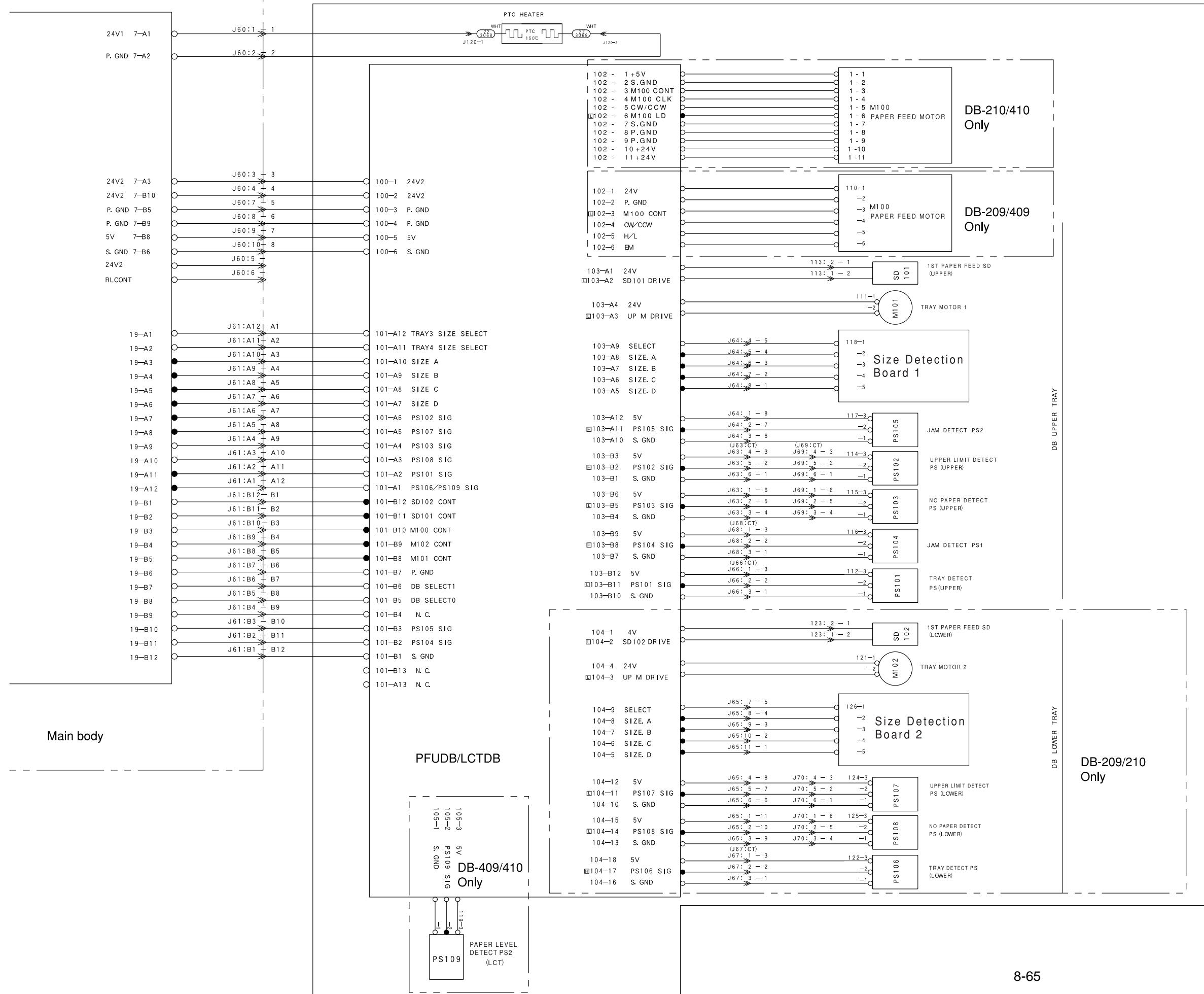
FS107 OVERALL WIRING DIAGRAM



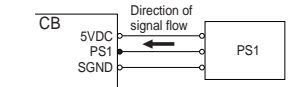
[HOW to see the diagram]

- The signals shown reflect levels present under normal idling conditions with the main switch turned ON.
- Wiring symbols in the figure are as follows.
 - is Connector
 - (RC) is ribbon cable
- Signal symbols in the figure are as follows.
 - [H] High active
 - [L] Low active
 - [*] Analog signal
 - [P] Pulse signal

DB-209/210/DB-409/410 OVERALL WIRING DIAGRAM



- [How to see the diagram]
- The signals shown reflect levels present under normal idling conditions with the main switch turned ON.
 - Wiring symbols in the figure are as follows.
 - [Symbol]
 - Crimp
 - Connector
 - Relay connector
 - Faston
 - Signal types are as follows:
 - High level
 - Low level
 - Analog signal
 - Pulse signal
 - (RC) is the flat cable.
 - Signal flow
 - The solid black circle (●) among the connector symbols (○) indicates the direction of signal flow.
 - Example)



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Konica

PARTS CATALOG

**Models
7022/7130**

MARCH 2002
CMPC-7022/7130

KONICA BUSINESS TECHNOLOGIES, INC.

How to use this catalog

This parts catalog includes illustrations and part numbers for all replacement parts and assemblies used in this model.

Model-specific parts are identified in the illustrations with reference numbers. Use the reference number to locate the corresponding part number on the facing page.

Common hardware items, such as screws, nuts, washers, and pins, are identified in the illustrations with reference letters. Use the reference letter to locate the corresponding part number on the hardware listing in the lower right hand corner of the facing page.

If you know a part number, but don't know where the part is used, use the numerical index to determine the page number and reference number for that part. Because some common parts are used in several places, there may be more than one entry. Refer to the illustrations to see where the part may be used.

If you know a part's description, but don't know where to look to find the part number, use the alphabetical index to determine likely page and reference numbers. Then look at the illustrations to determine that you have identified the correct part. Locate the part number using the listing on the opposite page.

Retail pricing that appears with the numerical index, while valid when this catalog was printed, is subject to change without notice. The prices are only suggested prices and are provided only for reference. Dealers may determine their own selling prices. For up-to-date pricing, refer to current Konica price lists or contact the Konica Parts Distribution Center.

How to order parts

Use standard Konica parts ordering procedures to obtain these parts. For ordering options, contact Konica's Parts Distribution Center.

When ordering parts, be sure to specify part numbers exactly as listed in this catalog.

NOTE: Electrical parts may include previously used components.

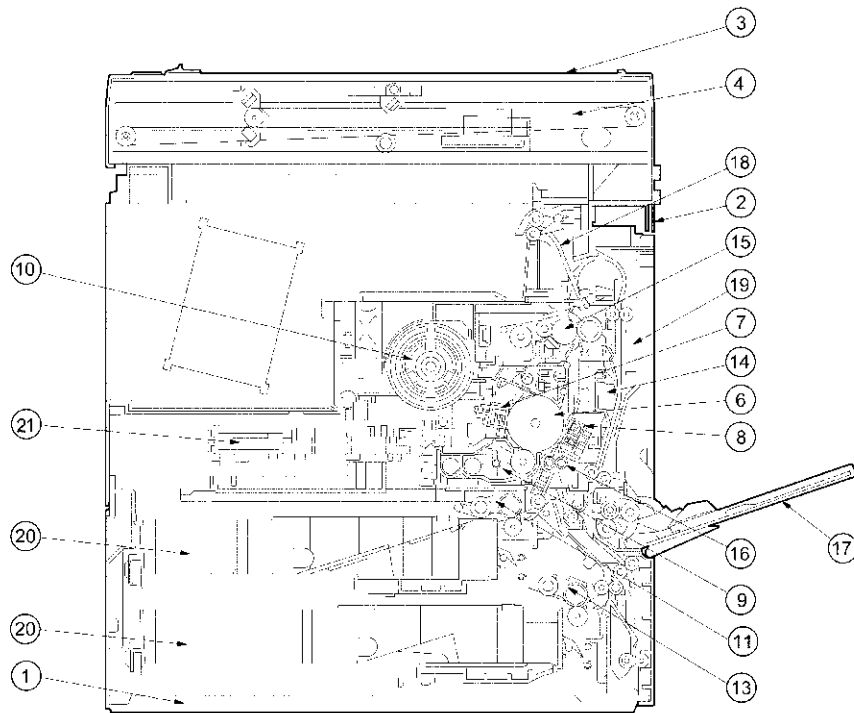
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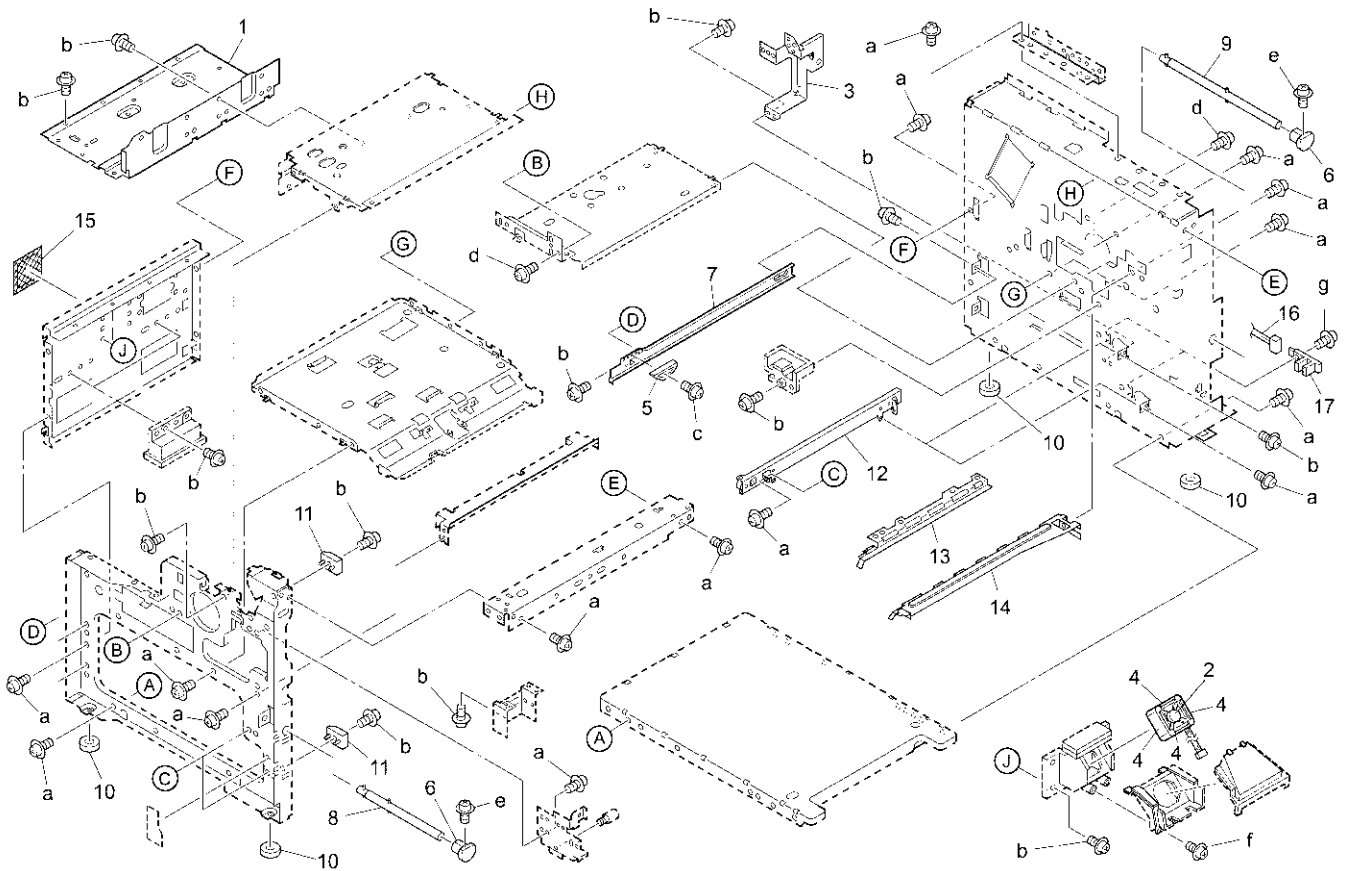
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2. External Parts
3. Operation Unit
4. Optics Unit
5. Driving Unit
6. Drum Cartridge
7. Charging Corona Unit
8. Transfer/Separator Corona Unit
9. Developing Unit
10. Toner Supply Unit
11. Paper Feed Unit/Upper
12. Suction Unit
13. Paper Feed Unit/Lower
14. Conveyance Unit
15. Fixing Unit
16. Registration Unit
17. Manual Feed Unit
18. Paper Exit Unit
19. ADU
20. Cassette
21. Writing Unit

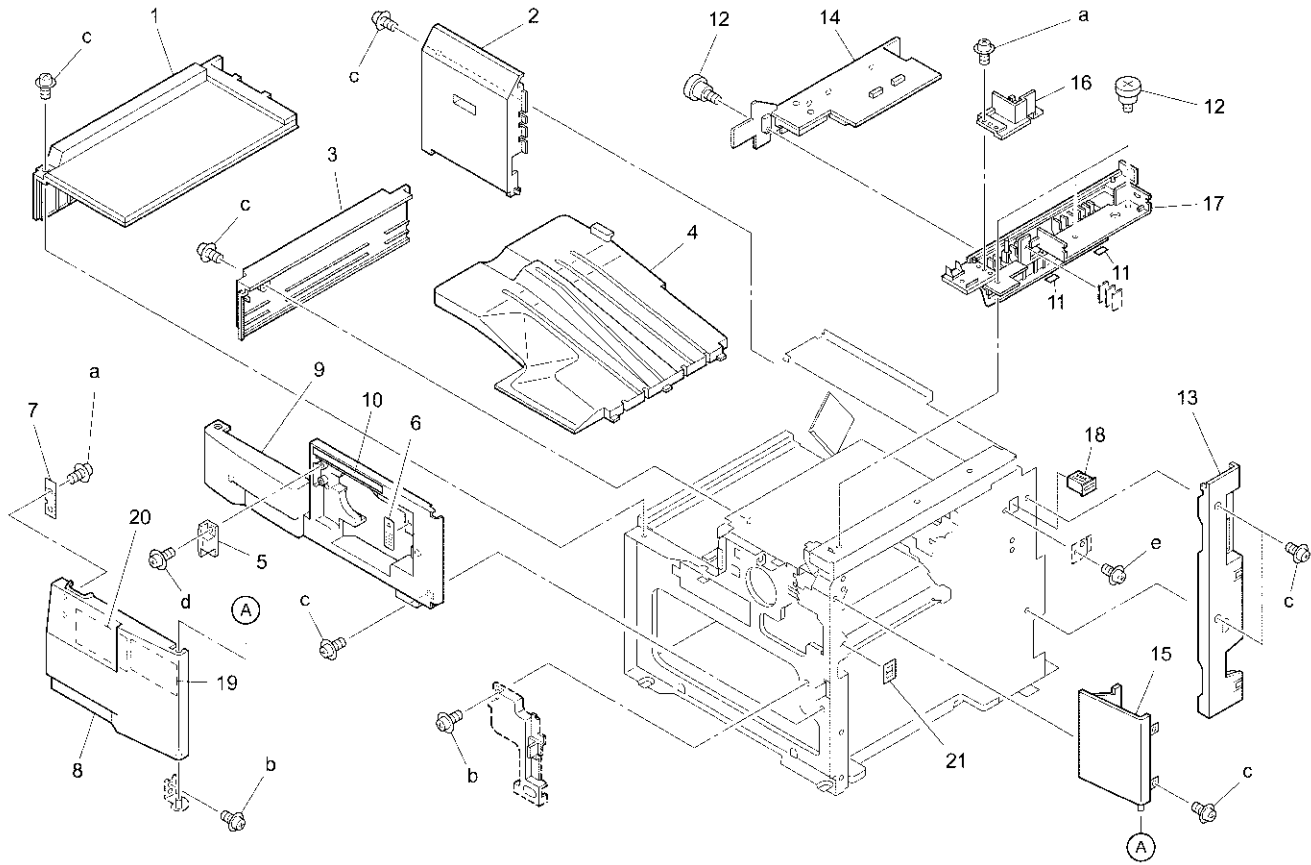
Main Frame



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA10141	Writing cover
2	26NA80510	Main body fan motor
3	26NA10441	Shaft support plate
4	26NA73731	Dust proof seal/5
5	26NA47350	Cassette stopper
6	26NA10310	Lift-up cover
7	26NA10070	Cassette rail/left
8	26NA-1060	Lift up shaft/front assembly
9	26NA-1070	Lift up shaft/rear assembly
10	25HA10292	Main setting rubber
11	26NA10181	Lock part
12	26WA-4410	Cassette rail/1 assembly
13	26NA10350	Rail/left
14	26NA10360	Rail/right
15	26NA73680	Dust proof filter
16	26WA90330	Wiring/3
17	56AA85510	Photosensor

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z283061
b	00Z193061
c	00Z183061
d	00Z163061
e	00Z183082
f	00Z253121
g	00Z193101

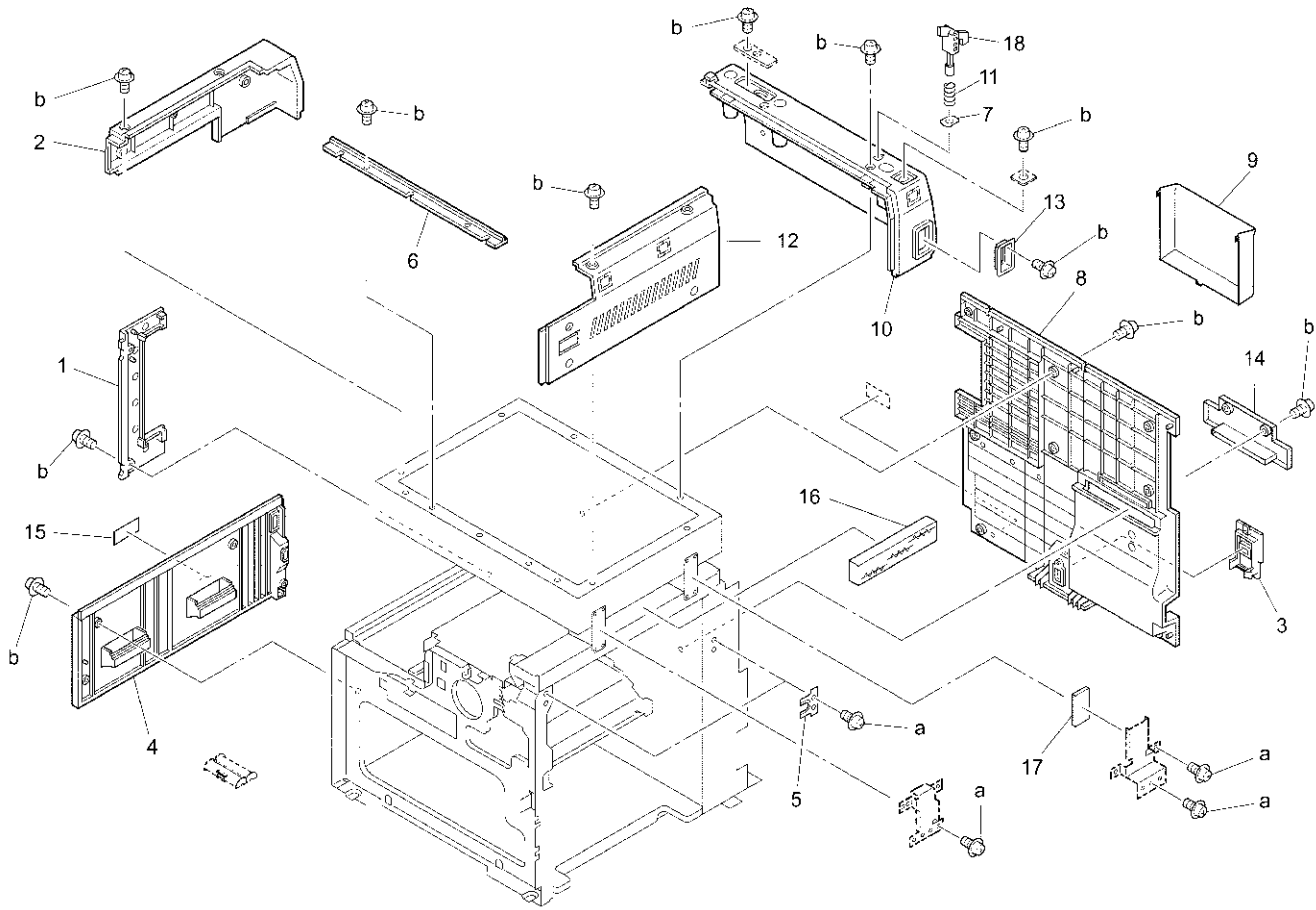
External Parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA12020	Main cover/upper
2	26NA12040	Side cover/rear
3	26NA12120	Main auxiliary cover
4	26NA12111	Paper exit tray
5	083020140	Stopper part
6	26NE97181	Laser caution label/3
7	26NA12401	Magnet pressure plate
8	26NE12080	Front door/right
9	26NA12011	Main cover/front
10	26NE97820	Toner supply caution label
11	26NA51010	Conveyance guide sheet
12	26NA12430	External fixed screw
13	26NA12030	Rear cover/right
14	26NA-1311	Paper exit cover assembly
15	26WE12130	Front cover/upper (7022)
15	26XE12130	Front cover/upper (7130)
16	26NA12460	Cover/F
17	26NA12062	Paper exit guide cover
18	26NE88310	Total counter
19	26NA97830	Toner supply label/2
20	26NA97040	Toner supply label
21	26NE97140	High voltage caution label

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z193061
c	00Z193062
d	00Z243081
e	00Z283061

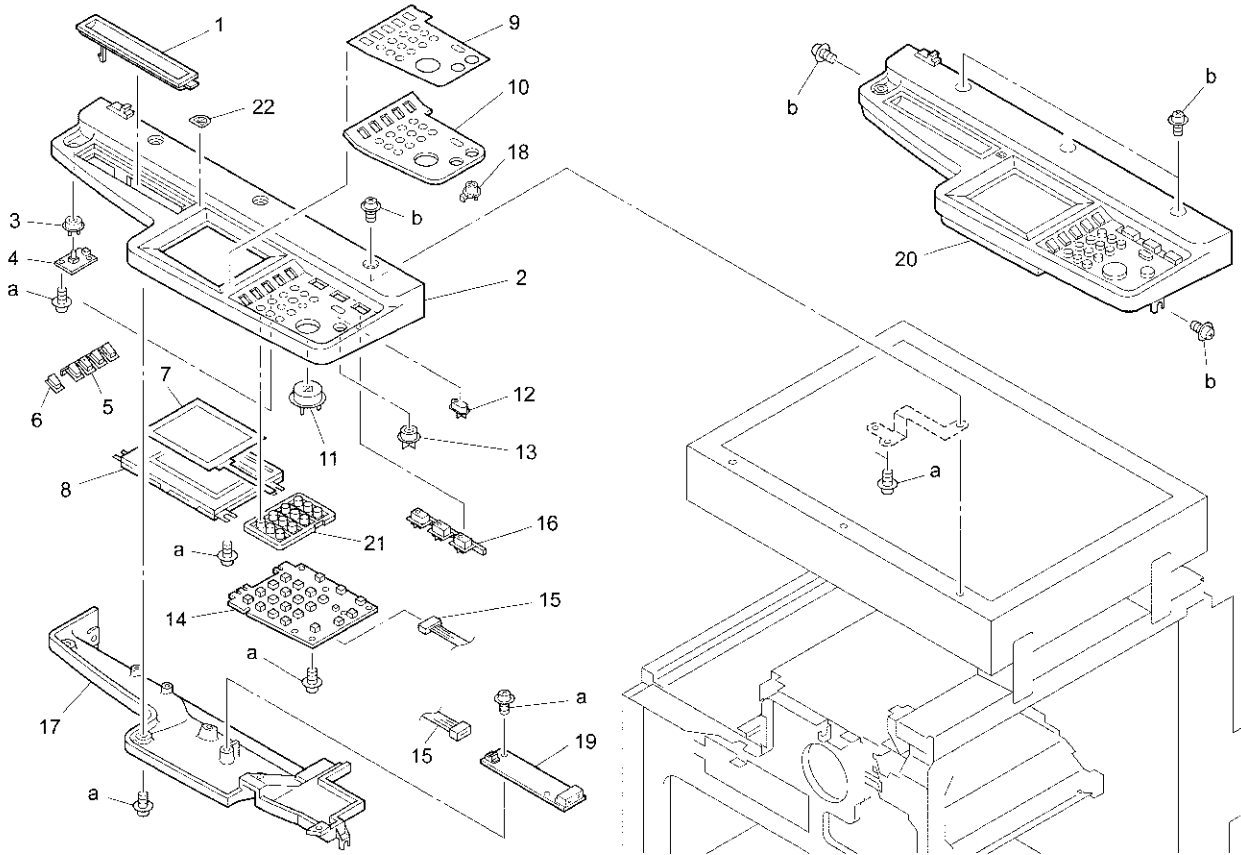
External Parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12161	Rear cover/left
2	26NA12240	Reading cover/left
3	26NA12190	Cord cover/B
4	26TA12050	Side cover/left
5	26NA12420	Shaft guide cover
6	26NA12210	Reading cover/front
7	26NA12550	Spring regulating sheet
8	26NA12071	Rear cover
9	26NA12540	Accessories holding panel
10	26NA12231	Reading cover/rear
11	26NA62130	Detecting spring
12	26NA-1260	Reading/right external assembly
13	26NA12450	Cord cover/B
14	26NA12180	Cord cover/A
15	26NA97080	Laser indication label
16	26WA10170	Ozone filter
17	26NA62291	Wiring hold part/2
18	26NA61820	ADF detecting actuator

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z193062

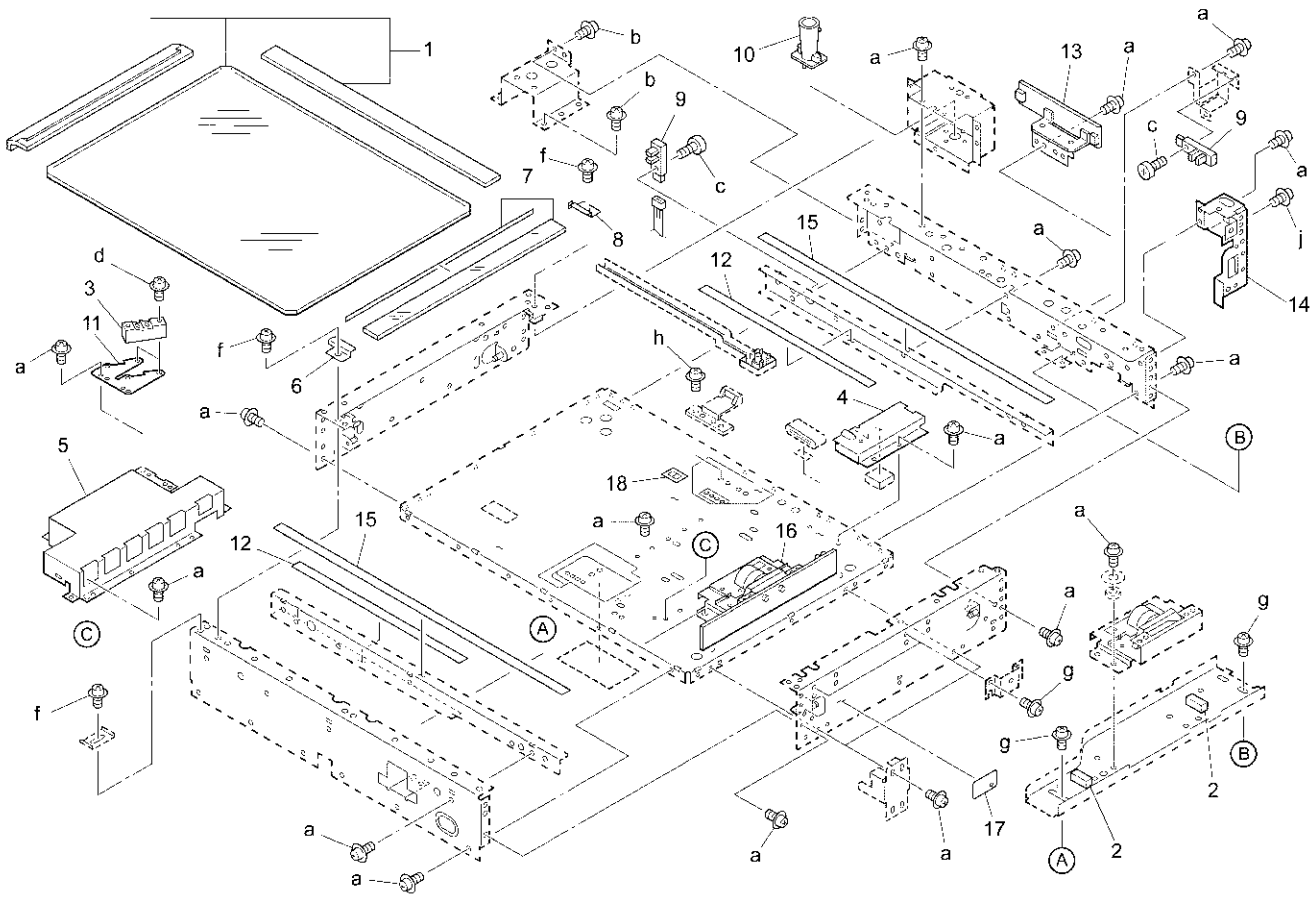
Operation Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12370	Operation tray
2	26NA70023	Operation unit cover/upper
3	26NA70181	Operation unit button/H
4	26NA-9060	Power source control switch
5	26NA70161	Operation unit button/F
6	26NA70172	Operation unit button/G
7	26NA87520	Touch key board
8	55FA-7020	Indication board assembly
9	26WE70041	Operation unit sheet
10	26WA70030	Operation unit cover
11	26NA70112	Operation unit button/A
12	26NA70131	Operation unit button/C
13	26NA70121	Operation unit button/B
14	26WA-9030	Operation board/1 assembly
15	26WA90160	Operation wiring/2
16	26NA70151	Operation unit button/E
17	26NA12220	Operation cover/lower
18	26WA70190	Operation unit button/I
19	26WA83520	Indication lighting
20	26WE-7001	Operation unit
21	26NA70141	Operation unit button/D
22	26NA97130	Machine label/3

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z193062

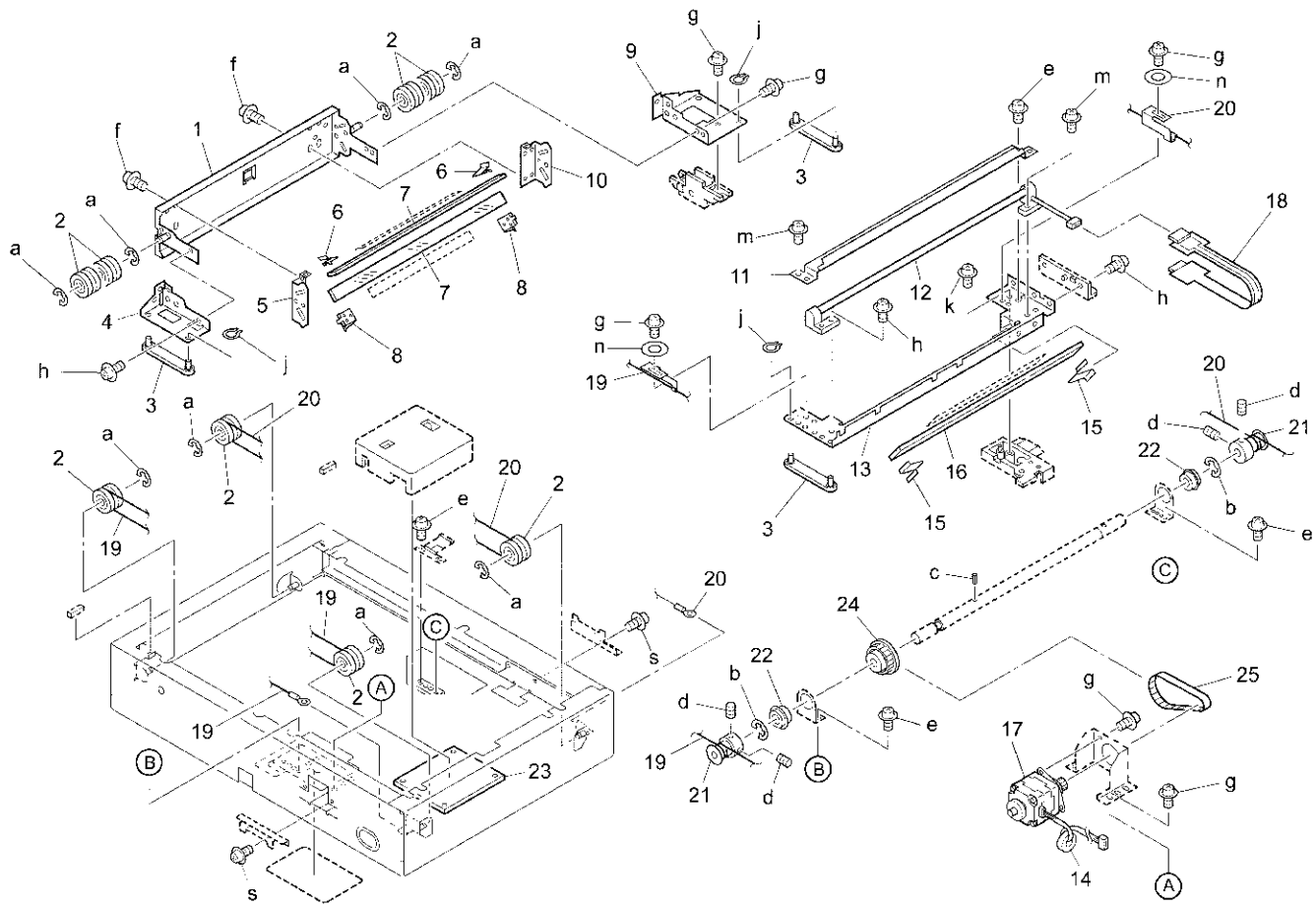
Optics Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-6273	Platen glass assembly
2	26NA62451	Ground spring/3
3	56AA85530	APS sensor/2
4	26NA61810	Wiring guide plate/1
5	26NA61731	Lens cover
6	26NA61300	Glass holder plate/front
7	26NA-6282	Platen glass assembly/2
8	26NA61150	Glass holder plate/rear
9	56AA85510	Photosensor
10	26NA62050	ADF guide block
11	26NA61142	Mounting plate
12	26NA61840	Optics slide sheet/2
13	26NA-6220	Board mount plate/2 assembly
14	26NA61120	ADF mount plate/right
15	26NA61830	Optics slide sheet/1
16	26NA-6261	CCD unit
17	26NA62201	Reading seal/2
18	26NE97140	High voltage caution label

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z283061
c	00Z183101
d	00Z183201
f	00Z193043
g	00Z163081
h	00Z193041
j	00Z253061

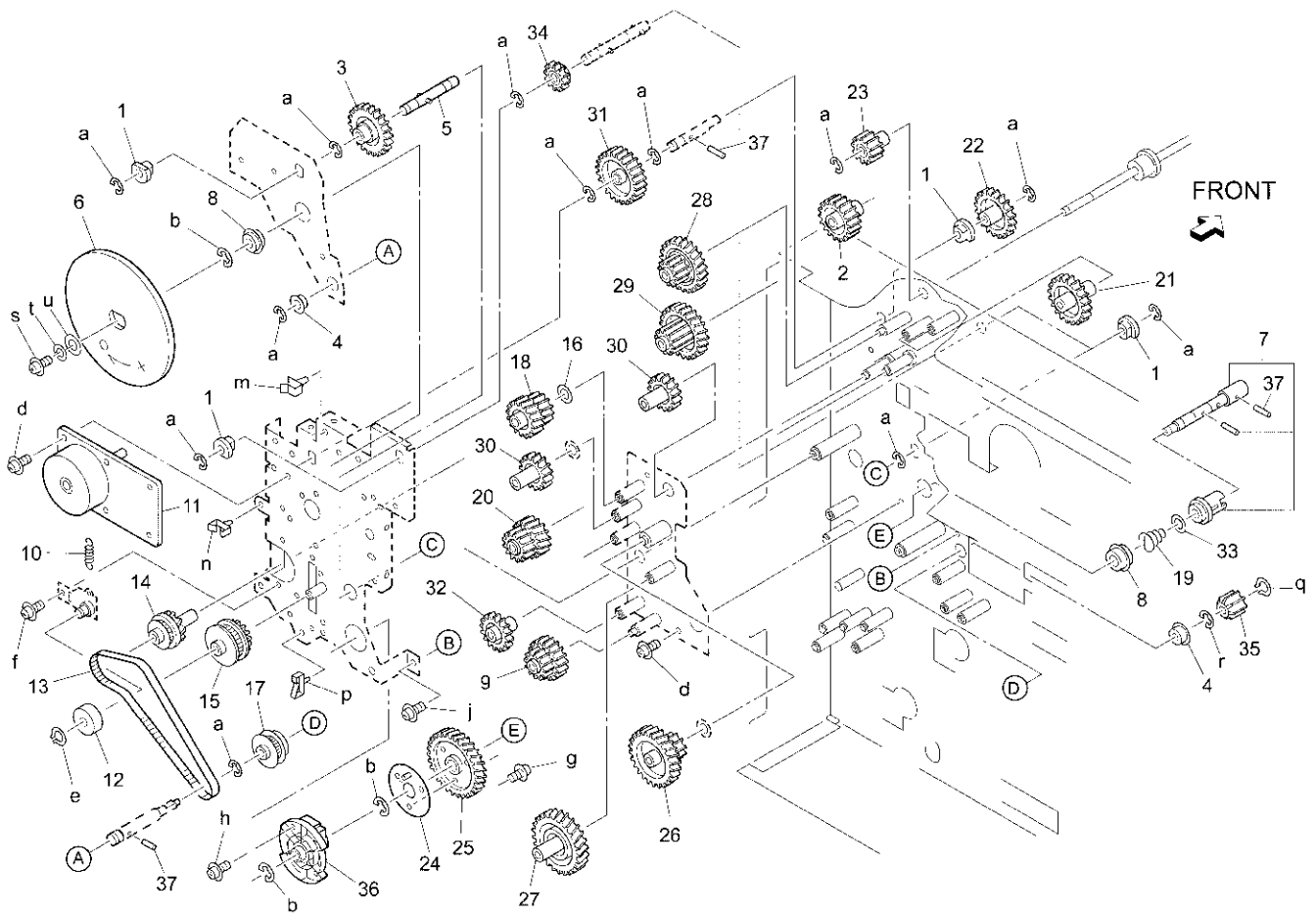
Optics Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-6192	Mirror mount plate/2 assembly
2	26NA61940	Wire pulley
3	26NA61380	Slide part
4	26NA61560	Optics slide plate/front
5	26NA61531	Mirror support plate/front
6	26NA61610	Mirror pressure spring/4
7	26NA61540	Optics mirror/2
8	26NA61600	Mirror pressure spring/3
9	26NA61551	Optics slide plate/rear
10	26NA62391	Mirror support plate/rear
11	26NA61370	Reflect mirror
12	26NA83010	Exposure lamp
13	26NA61310	Mirror mount plate/1
14	580388410	Ferite core
15	26NA61410	Mirror pressure spring
16	26NA61340	Optics mirror/1
17	26WA80020	Scanner driving motor
18	26NA-9510	Powering board assembly
19	26NA61221	Optics wire/front
20	26NA61211	Optics wire/rear
21	26NA61200	Wire driving pulley
22	540076050	Driving shaft holder
23	26WA-9050	Scanner driving board assembly
24	26TA61920	Driving pulley (Z=70)
25	26WA61930	Motor belt (L=160.5)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z713186
d	00Z474063
e	00Z193041
f	00Z183101
g	00Z163061
h	00Z163081
j	00Z660306
k	00Z253061
m	00Z183031
n	00Z610421
s	00Z193061

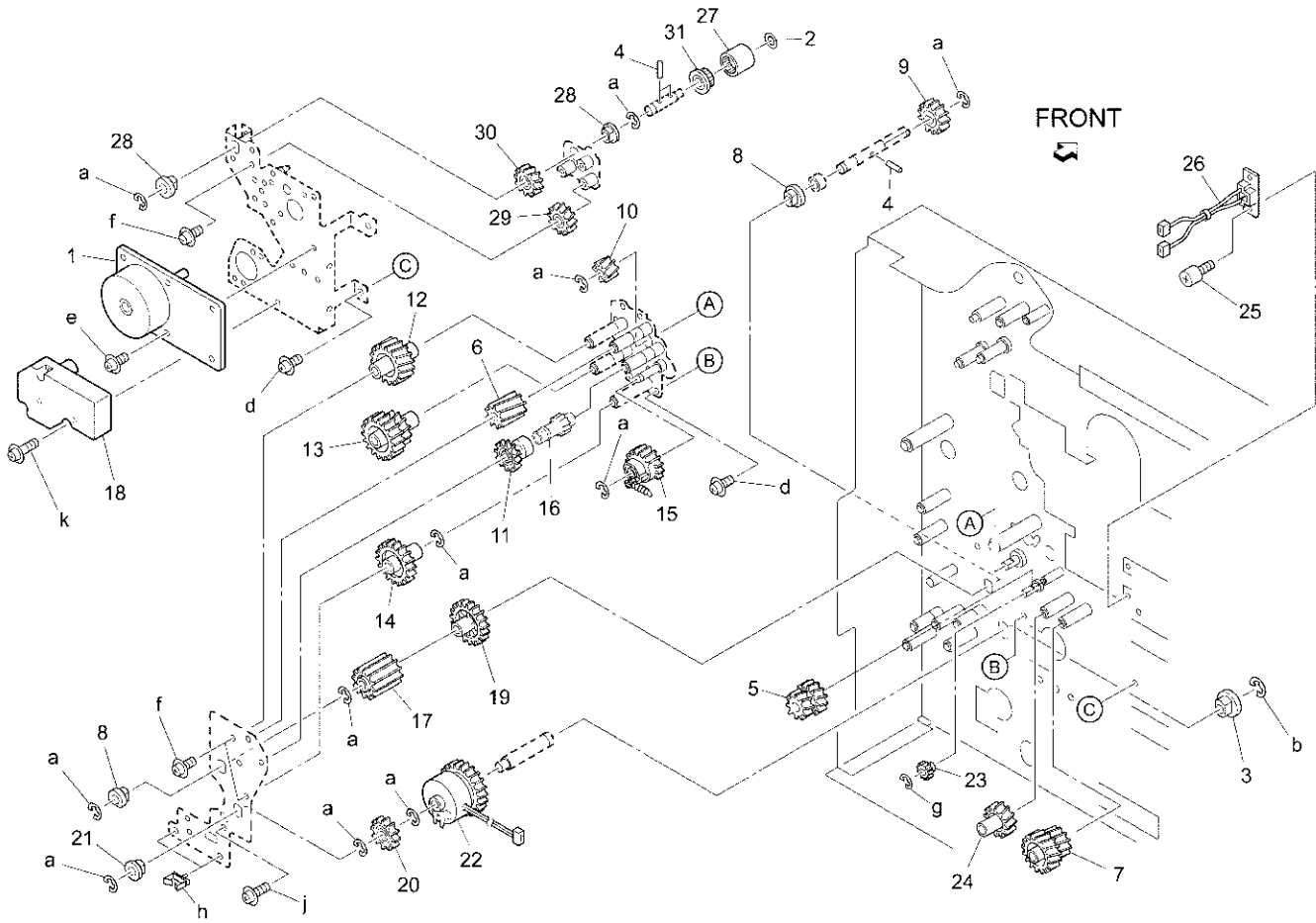
Driving Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	466076020	Paper feeding shaft holder
2	26NA16120	Idler gear/B (Z=43)
3	26NA15690	Collecting gear (Z=54)
4	26NA17280	Developing drive shaft holder
5	26NA-1540	Collecting shaft assembly
6	26NA15031	Drum rotary plate
7	26NA-1531	Drum input shaft assembly
8	26NA53590	Fixing shaft holder/lower
9	26NA16150	Idler gear/D (Z=27/45)
10	26NA17270	Tension spring
11	26TA80010	Drum driving motor
12	26NA17610	Tension roller
13	26NA17141	Belt (L=370)
14	26NA15550	Gear/F (Z=32/34)
15	26NA15680	Gear/Q (Z=23/23)
16	190041410	Polyslider 6
17	26NA15750	Agitating gear/A (Z=35)
18	26NA15520	Gear/C (Z=32/50)
19	26NA15200	Coupling spring
20	26NA15540	Gear/E (Z=32/35)
21	26NA17250	Gear/X (Z=45)
22	26NA15730	Gear/J (Z=35)
23	26NA15740	Paper exit gear (Z=26)
24	26NA-1560	Drive plate assembly
25	26NA15600	Drum driving gear (Z=108)
26	26NA15500	Gear/A (Z=26/97)
27	26NA15510	Gear/B (Z=97)
28	26NA15760	Gear/R (Z=21/50)
29	26NA15560	Gear/G (Z=24/49)
30	26NA15630	Gear/M (Z=34)
31	26NA15580	Gear/H (Z=55)
32	26NA16140	Idler gear/C (Z=35)
33	26NA30870	Spring spacer
34	26TA15080	Gear/D (Z=26)
35	26NA17580	Agitating coupling/B
36	26NA-1570	Dumper plate assembly
37	113620600	Pin (A)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
d	00Z193043
e	00Z680806
f	00Z163061
g	00Z193041
h	00Z253081
j	00Z193061
m	00Z926903
n	00Z921302
p	00Z921941
q	00Z600306
r	00Z670306
s	00Z184081
t	00Z620401
u	00Z610401

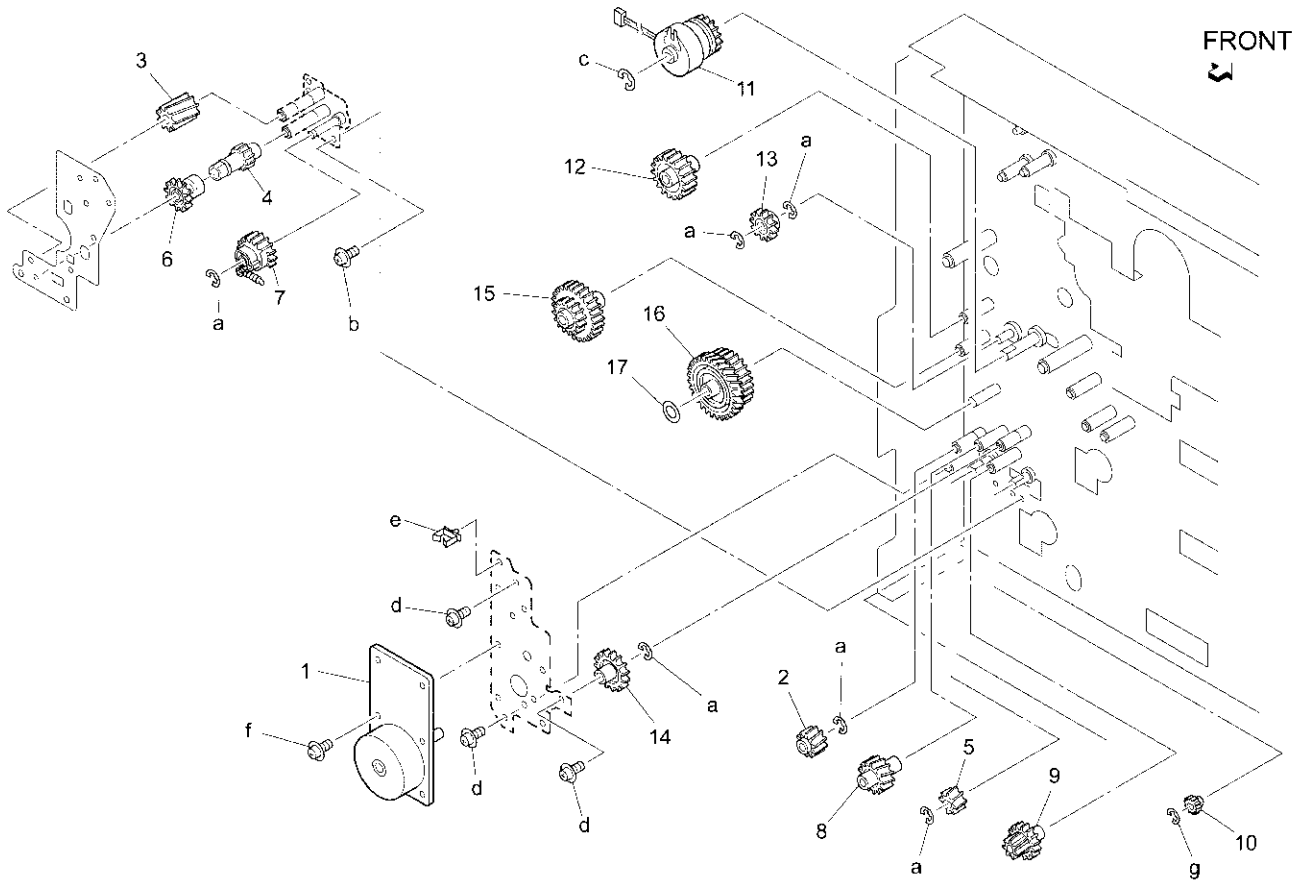
Driving Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA80010	DC brushless motor/20
2	26NA17590	Spacer/B
3	26NA40820	Paper feed slide shaft holder
4	113620600	Pin (A)
5	26NA17060	Developing drive gear/3 (Z=25/28)
6	26NA16270	Idler gear/L (Z=16)
7	26NA17040	Developing drive gear/1 (Z=23/52)
8	26NA76010	Paper feed shaft holder
9	26NA17600	Manual feed driving gear/2
10	26NA16260	Driving gear (Z=15)
11	26NA17480	Paper feed coupling gear/A (Z=25)
12	26NA16300	Idler gear/O (Z=35)
13	26NA16210	Idler gear/G (Z=21/35)
14	26NA16200	Idler gear/F (Z=41)
15	26NA-1680	Paper feed gear/2 assembly
16	26NA17490	Paper feed coupling gear/B (Z=20)
17	26NA16160	Manual feed driving gear/1 (Z=25)
18	26NA80041	Cassette driving motor
19	26NA16170	Idler gear/E (Z=45)
20	26NA16190	Gear (Z=25)
21	684276031	Paper exit shaft holder
22	26NA82020	Paper feed clutch
23	26NA16310	Paper feed gear (Z=20)
24	26NA17050	Developing drive gear/2 (Z=27)
25	066079020	Drawer
26	26TA90340	Developing relay wiring
27	26NA17570	Developing input coupling/B
28	322076010	Paper lift-up lever shaft hold
29	26NA17550	Developing drive gear/7 (Z=39)
30	26NA17540	Developing drive gear/6 (Z=32)
31	26NA17560	Developing input coupling/A

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
d	00Z283061
e	00Z193043
f	00Z193061
g	00Z670306
h	00Z921322
j	00Z193181
k	00Z193121

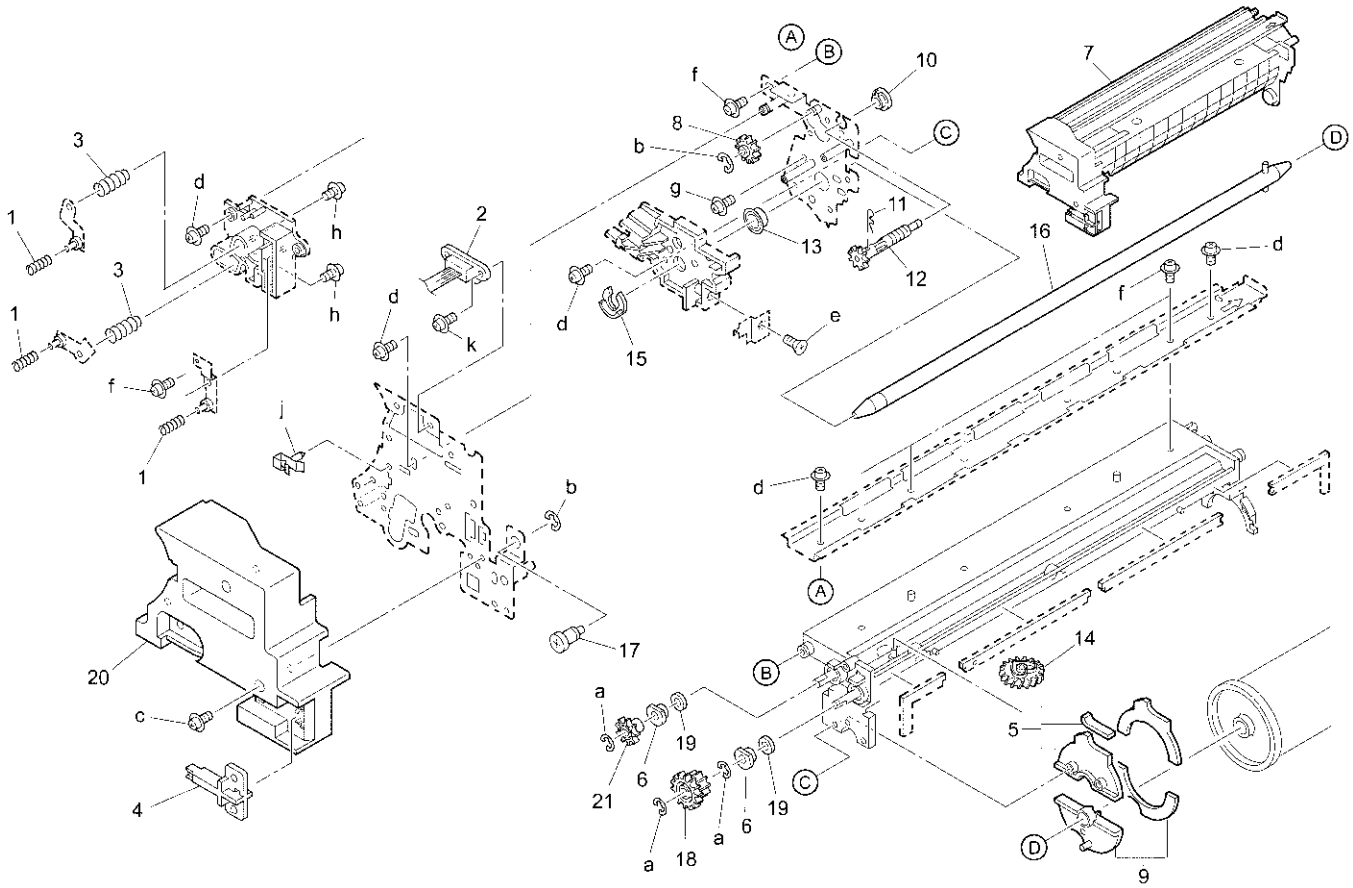
Driving Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA80010	DC brushless motor/20
2	26NA16250	Idler gear/K (Z=20)
3	26NA16270	Idler gear/L (Z=16)
4	26NA17490	Paper feed coupling gear/B (Z=20)
5	26NA16260	Driving gear (Z=15)
6	26NA17480	Paper feed coupling gear/A (Z=25)
7	26NA-1690	Paper feed gear/3 assembly
8	26NA16240	Idler gear/J (Z=25)
9	26NA16230	Idler gear/I (Z=15/25)
10	26NA16310	Paper feed gear (Z=20)
11	26NA82010	Registration unit clutch
12	26NA16120	Idler gear/B (Z=43)
13	26NA16130	Clutch gear/1 (Z=27)
14	26NA16220	Idler gear/H (Z=33)
15	26NA16110	Idler gear/A (Z=27/54)
16	26NA17260	Paper feed driving gear (Z=52/97)
17	190041410	Polyslider

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z283061
c	00Z670506
d	00Z193061
e	00Z921322
f	00Z193043
g	00Z670306

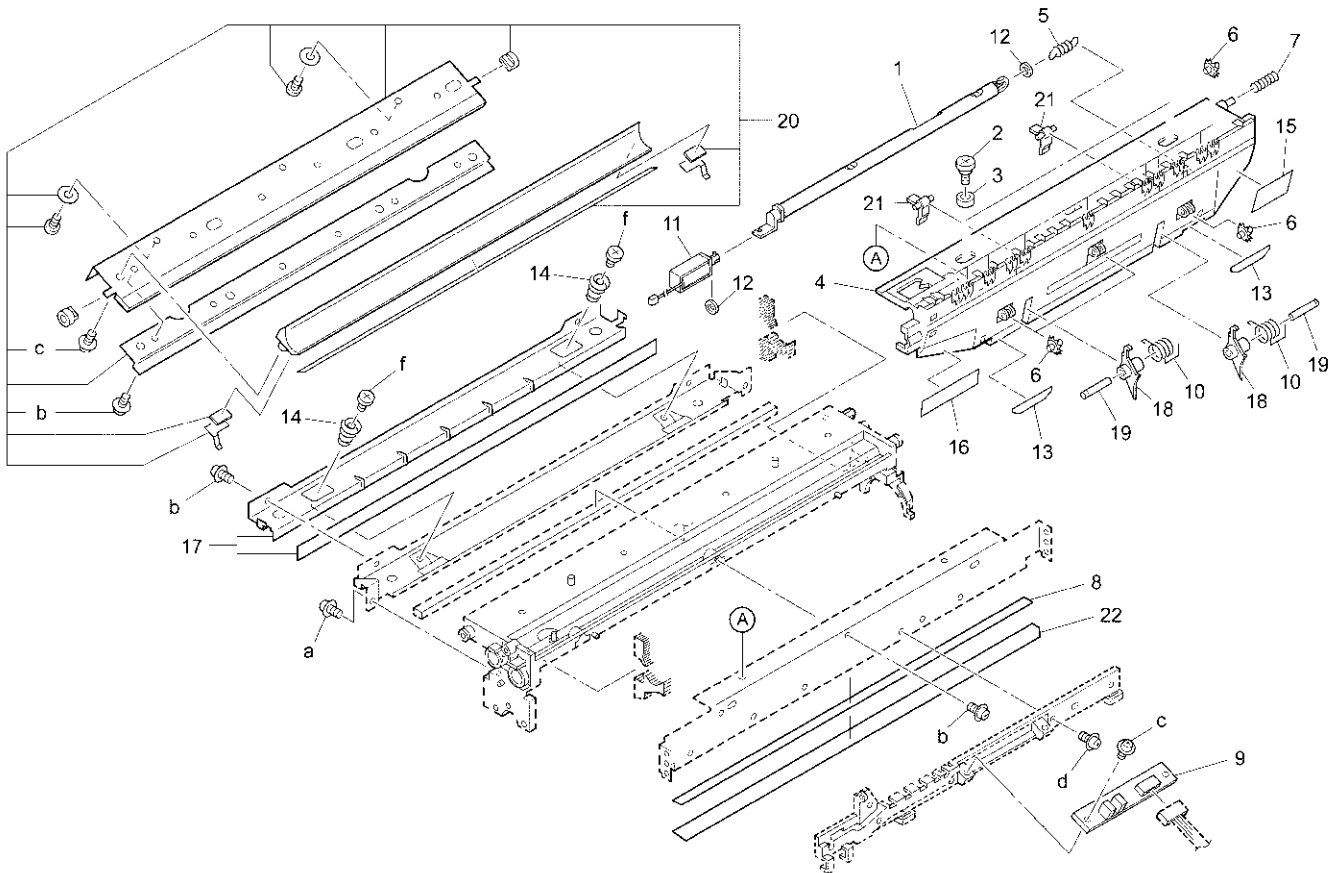
Drum Carriage



REF. NO.	PART NUMBER	DESCRIPTION
1	392045260	Electrode connecting spring (B)
2	26TA90070	Drum wiring
3	40AA73191	Charging input spring
4	26NA21340	Drum rotary part
5	26NA-2110	Blade seal block/F assembly
6	26NA20140	Screw shaft holder
7	26WA-9900	Drum unit assembly
8	26NA20420	Idler gear (Z=25)
9	26NA-2290	Blade seal block/1 assembly
10	26NA20380	Rocking shaft holder
11	26NA20920	Shaft fixed part
12	26NA20570	Separation rocking gear (Z=18)
13	26NA21360	Drum support shaft holder
14	26NA20580	Separation rocking cam
15	26NA20940	Drum support part
16	26NA-2140	Drum shaft assembly
17	26NA21440	Cartridge screw
18	26NA20170	Agitating gear (Z=19/30)
19	26NA20710	Felt/A
20	26TA20350	Cartridge cover/front
21	26NA20160	Screw gear (Z=24)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193043
d	00Z193061
e	00Z263081
f	00Z253081
g	00Z253121
h	00Z183061
j	00Z921913
k	00Z193081

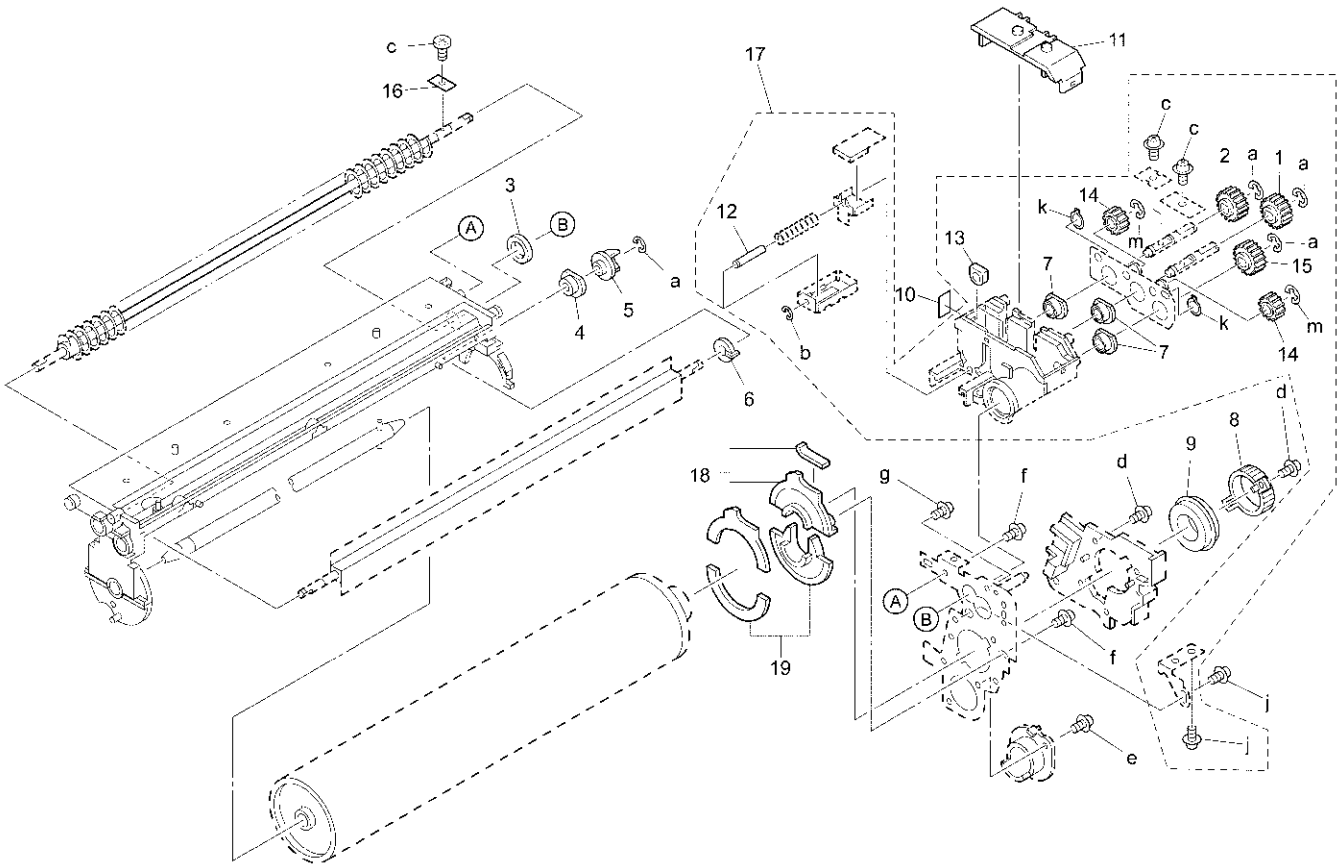
Drum Cartridge



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA20270	Separate release lever
2	26NA20310	Separate rocking screw
3	26NA20300	Separate rocking collar
4	26WA20240	Separate guide plate
5	40AA20230	Separate release spring
6	26TA20320	Separate auxiliary roller
7	26NA20290	Separate rocking spring
8	26NA21330	Mounting sheet/B
9	26NA-9180	Toner detecting board assembly
10	26WA21660	Separation pressing spring
11	26NA-2260	Separate solenoid assembly
12	26NA21380	Solenoid seal
13	26NA21400	Paper guide sheet/A
14	26TA20190	Blade pressure spring
15	26NA21420	Paper guide sheet/C
16	26NA21430	Paper guide sheet/D
17	26TA-2240	Spewing preventive plate/A assembly
18	56AA20700	Drum separating claw
19	40AA20170	Separation fulcrum shaft
20	26TA-2090	Cleaning blade assembly
21	26WA21650	Separation release block
22	26NA20200	Toner guide sheet

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193043
b	00Z193061
c	00Z253081
d	00Z193041
f	00Z183061

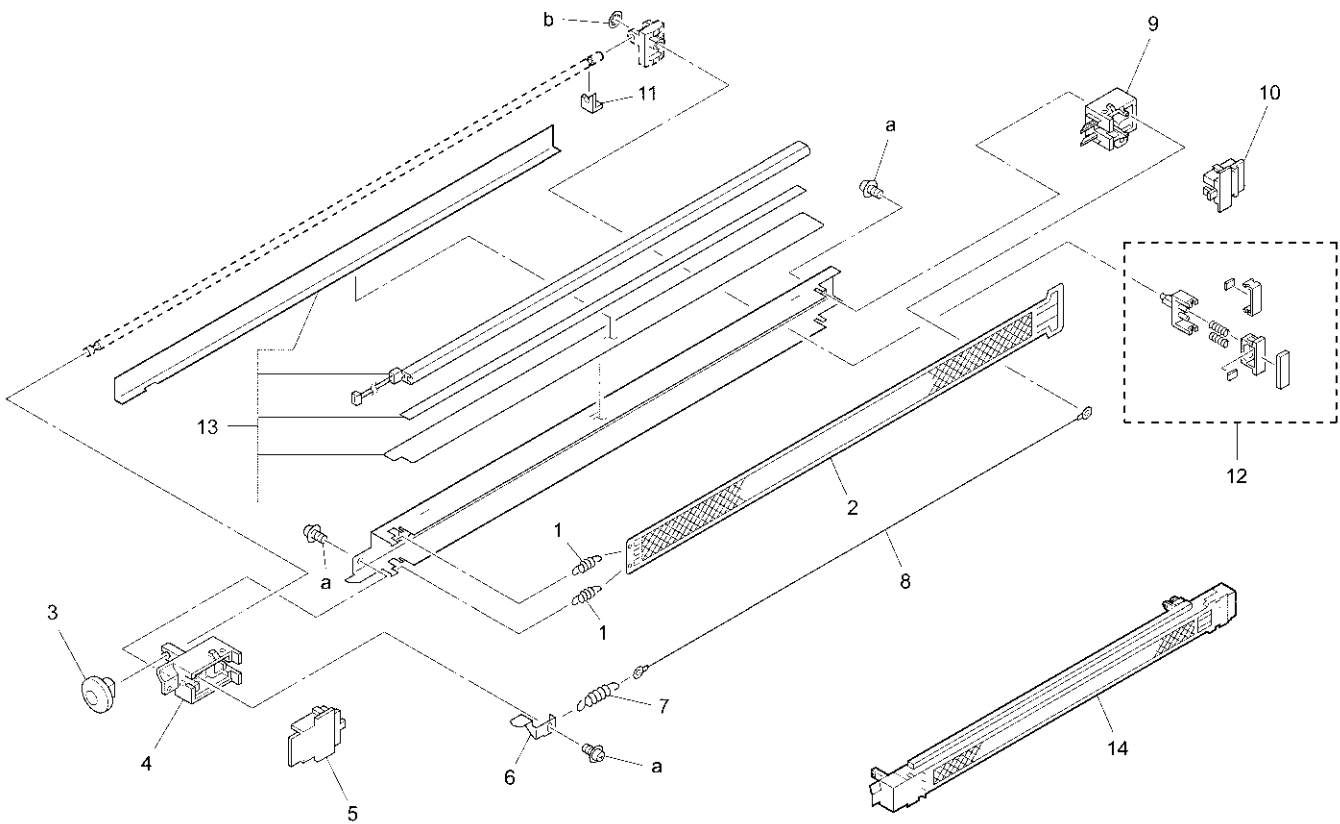
Drum Cartridge



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA21470	Toner conveyance gear/2 (Z=18)
2	26TA21480	Toner conveyance gear/3 (Z=16)
3	26NA20220	Cleaner collect seal
4	26NA20140	Screw shaft holder
5	26NA20560	Toner collect coupling
6	26NA21160	Shaft holder spacer
7	26NA21280	Screw shaft holder/B
8	26NA20250	Shaft holder fulcrum part
9	26NA20480	Drum shaft holder/F
10	26TA21611	Spewing PV sheet/B
11	26TA-2271	Collect cover/C assembly
12	26NA20870	Cleaner auxiliary part
13	26TA21540	Recycling shaft holder
14	26TA21490	Toner conveyance gear/4 (Z=13)
15	26TA21460	Toner conveyance gear/1 (Z=19)
16	26TA21510	Agitator plate/A
17	26TA-2050	Screw guide/rear assembly
18	26NA-2120	Blade seal block/R assembly
19	26NA-2300	Blade seal block/1 assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670206
c	00Z112021
d	00Z193061
e	00Z163061
f	00Z253101
g	00Z253121
j	00Z253081
k	00Z600306
m	00Z670256

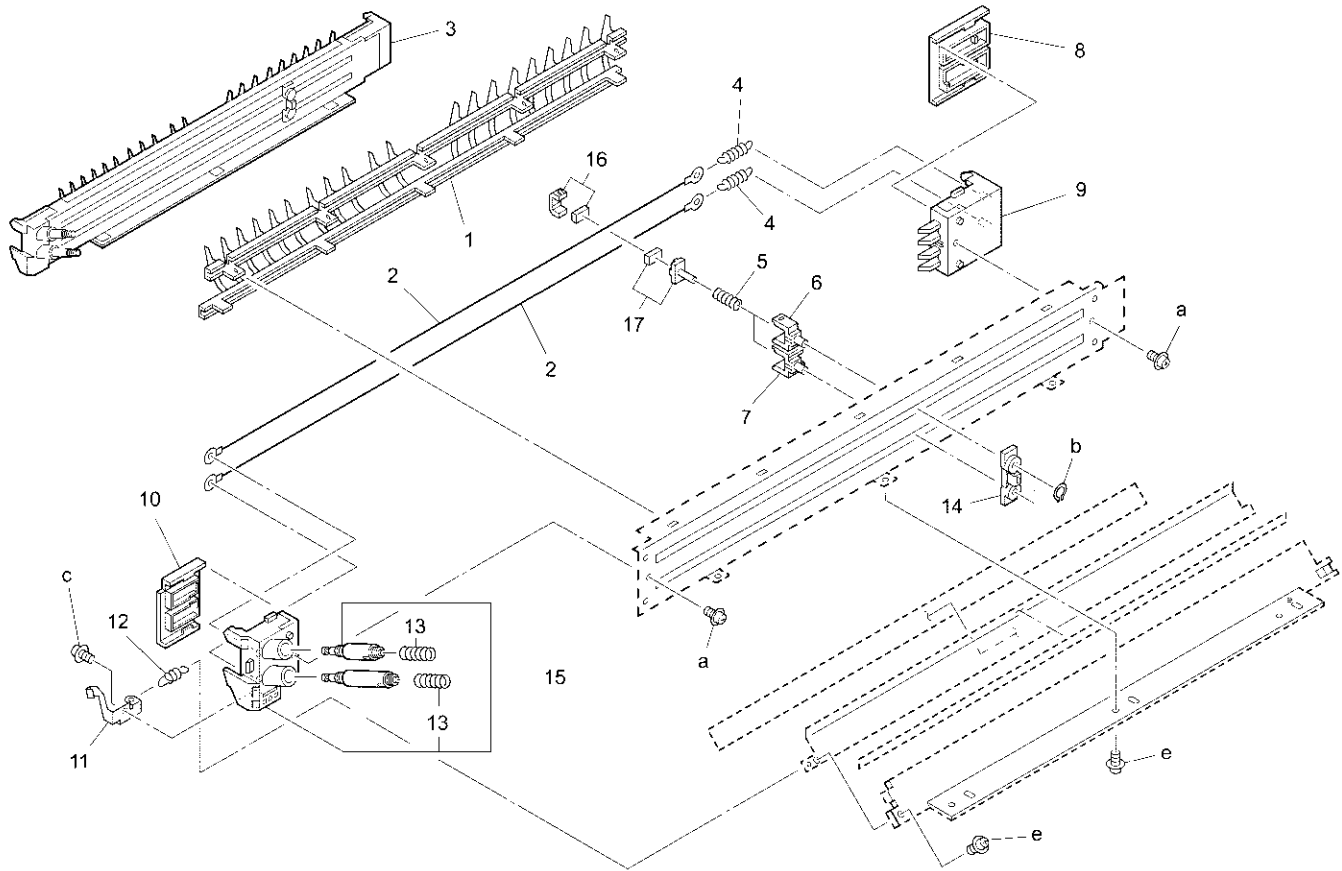
Charging Corona Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA25180	Charging spring
2	26NA25160	Charging control plate
3	540025121	Charging cleaning knob
4	26NA25020	Charging block/front
5	26NA25040	Spark arrester preventive plate/front
6	26NA25070	Charging electrode plate
7	26NA25170	Wire tension spring
8	26NA25060	Charging wire
9	26NA25011	Charging block/rear
10	26NA25050	Spark arrester preventive plate/rear
11	25HA25100	Shaft stopper part
12	26NA-2520	Charging cleaning assembly
13	26NA-2510	Charging discharge plate assembly
14	26WA-2500	Charging corona unit

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253061
b	00Z660306

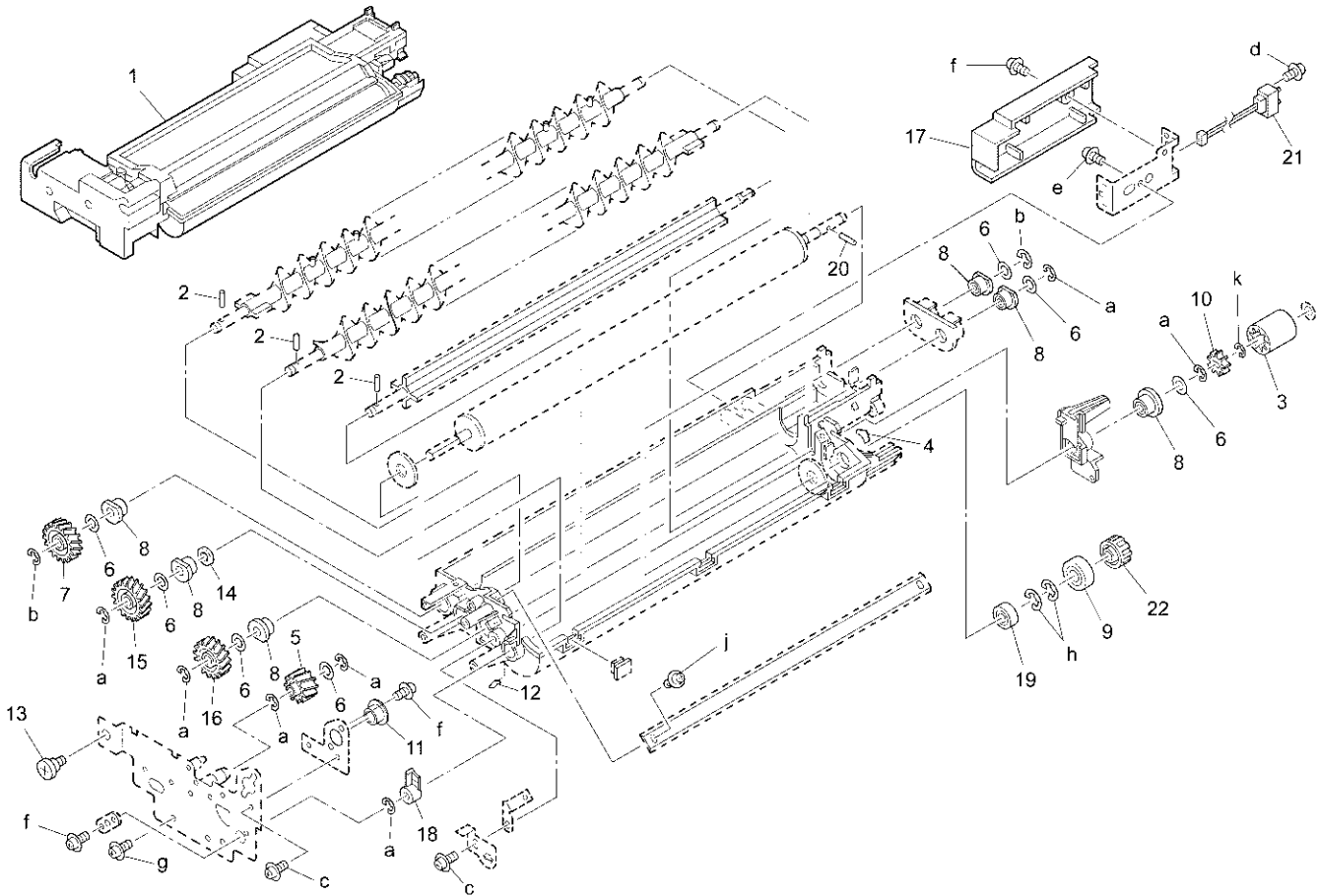
Transfer/Separator Corona Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA26190	Separate bridge
2	26NA26080	Discharge wire
3	26NA-2601	Transfer separator corona unit
4	26NA26230	Wire tension spring
5	26NA25130	Cleaner pressure spring
6	26NA26271	Transfer cleaning part/E
7	26NA26151	Transfer cleaning part/B
8	26NA26070	Spark arrester preventive plate/rear
9	26NA26041	Transfer separator block/rear
10	26NA26060	Spark arrester preventive plate/front
11	26NA26250	Electrode plate
12	26NA26260	Electrode spring
13	26NA73251	Electrode connecting spring/A
14	26NA26141	Transfer cleaning part/A
15	26NA-2620	Transfer separator block/front assembly
16	26NA-2640	Cleaner cover assembly
17	26NA-2630	Cleaner shaft assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z600406
c	00Z24B061
e	00Z112031

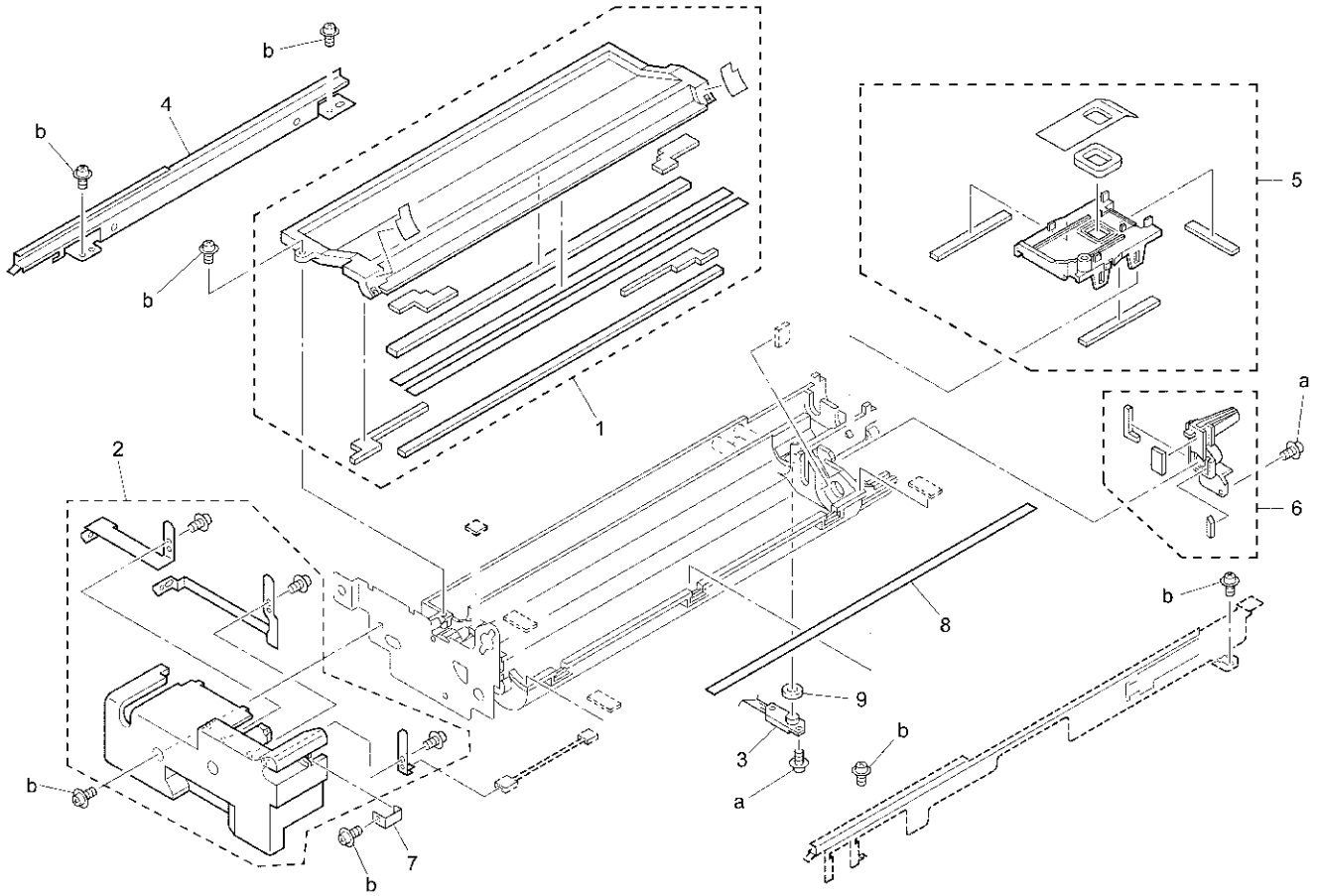
Developing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3001	Developing unit
2	466078010	Pin A
3	26NA30950	Agitate coupling/A
4	26NA30990	Developing seal/U
5	26NA30170	Idler gear (Z=19)
6	26NA30850	Shaft holder spacer
7	26NA30810	Developing gear/C (Z=27)
8	26NA30770	Developing shaft holder
9	26NA30660	Developing guide shaft holder
10	26NA30730	Agitate coupling
11	26NA21360	Drum support shaft holder
12	26NA30980	Developing seal/T
13	26NA31010	Positioning screw
14	26NA30940	Developing seal/S
15	26NA30150	Agitate gear/B (Z=27)
16	26NA30140	Agitate gear/A (Z=27)
17	26NA30490	Developing electrode cover
18	26NA30630	Developing shaft holder/front
19	26NA30650	Developing shaft holder/rear
20	113620600	Pin (A)
21	26TA90250	Development wiring
22	26NA30700	Developing gear

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670506
c	00Z163061
d	00Z183061
e	00Z253061
f	00Z193061
g	00Z253081
h	00Z670606
j	00Z163081
k	00Z670306

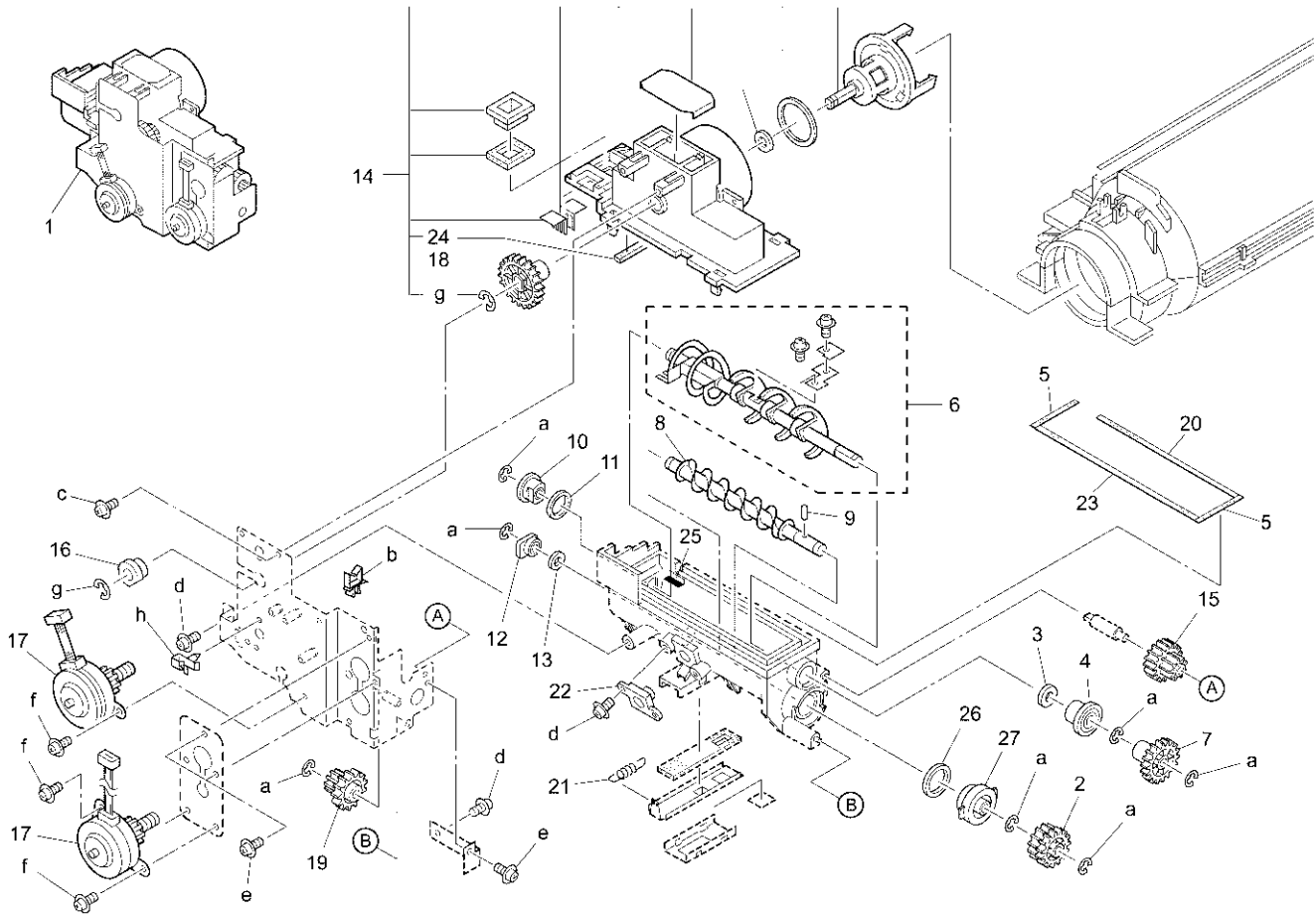
Developing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3061	Developing cover assembly
2	26NA-3040	Developing cover assembly
3	26NA88040	Toner density sensor
4	26NA30740	Developing rail/left
5	26NA-3050	Developing cover part/A assembly
6	26NA-3020	Developing cover part/C assembly
7	26NA30930	Developing support stopper
8	26NA30440	Spewing preventive sheet/2
9	029420640	L detecting seal

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253061
b	00Z193061

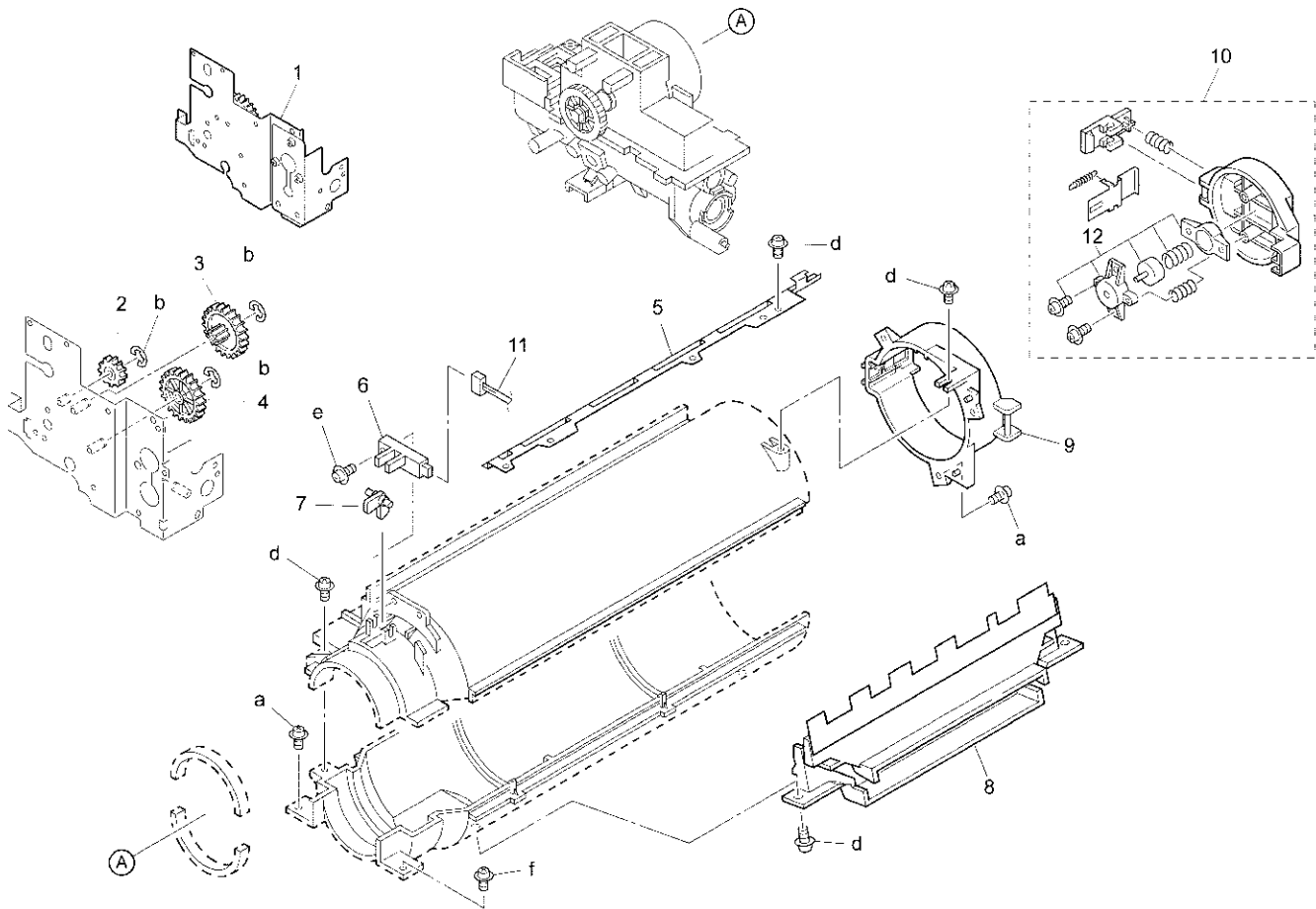
Toner Supply Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA-3200	Toner supply unit
2	26WA32510	Toner conveyance gear/1 (Z=23/24)
3	26NA32960	Felt/C
4	25HA32152	Toner conveyance shaft holder/A
5	26NA32930	Toner supply seal/3
6	26WA-3250	Agitate screw assembly
7	26WA32530	Toner conveyance gear/4 (Z=30)
8	26NA32040	Toner supply screw
9	26NA32970	Pin
10	26NA32540	Toner agitate shaft holder
11	26NA32280	Screw seal part/upper
12	26NA32550	Toner agitate shaft holder/right
13	26NA32200	Screw seal part/lower
14	26NA-3221	Toner supply base/upper assembly
15	26WA32520	Toner conveyance gear/3 (Z=17/23)
16	26NA32660	Toner supply shaft holder
17	26NA80060	Toner supply motor
18	26NA32590	Toner supply regulating gear (Z=42)
19	26NA32680	Toner conveyance gear/5 (Z=16/23)
20	26NA32920	Toner supply seal/2
21	26NA32090	Toner supply open-close spring
22	40AA88030	Remainder detecting sensor
23	26NA32910	Toner supply seal/1
24	26NA32940	Toner supply seal/4
25	26TA33010	Toner agitate sheet/front
26	26NA32270	Screw seal part/middle
27	26NA32560	Toner agitate shaft holder/left

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z921301
c	00Z283061
d	00Z253081
e	00Z193041
f	00Z143041
g	00Z670506
h	00Z921941

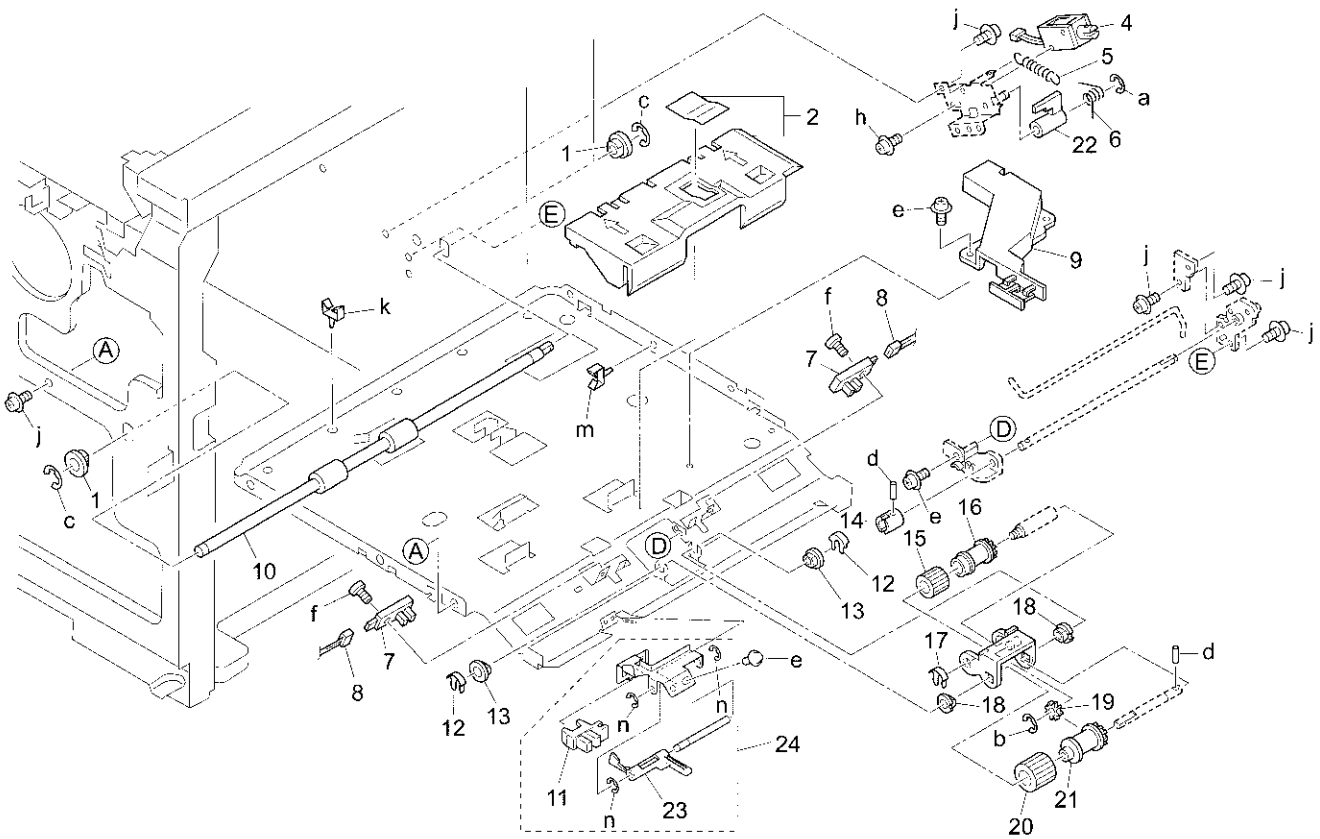
Toner Supply Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3230	Toner supply driving assembly
2	26TA32580	Toner supply regulating gear (Z=18)
3	26TA32640	Toner supply gear/2 (Z=16/51)
4	26TA32610	Toner supply gear/1 (Z=23/51)
5	26NA10350	Rail/left
6	56AA85510	Photosensor
7	26NA32230	Detecting actuator/A
8	26NE-7620	Cooling cover/E assembly
9	26WE-3340	Toner supply guide part assembly
10	26TA-3320	Toner cartridge pressure assembly
11	26WA90330	Wiring/3
12	26TA-3330	Pressure assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z283061
b	00Z670406
d	00Z253081
e	00Z253141
f	00Z194061

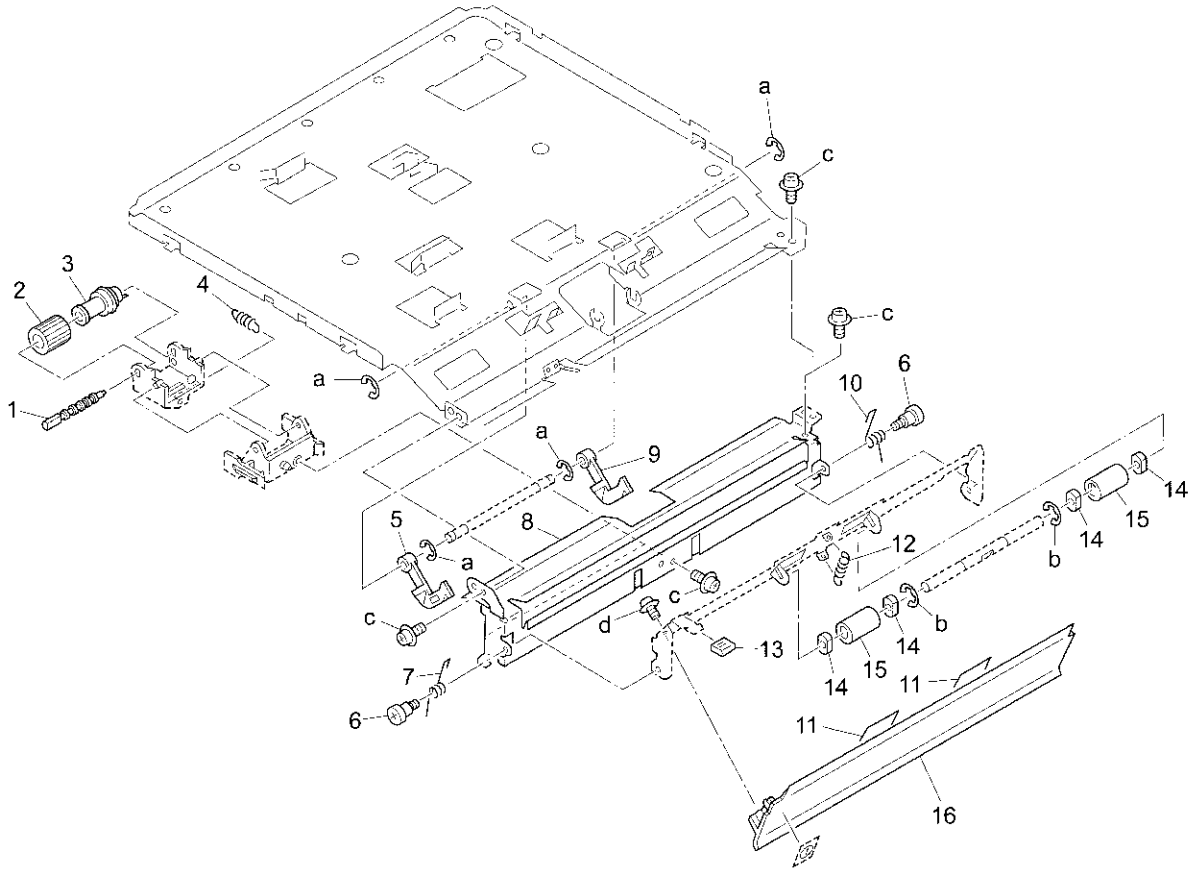
Paper Feed Unit (Upper)



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA40820	Paper feed slide shaft holder
2	26PA-4141	Toner cover assembly
3	*	Not used
4	26NA82510	Paper feed solenoid
5	26NA40810	Paper feeding spring
6	26NA40760	Lever hold spring
7	56AA85510	Photosensor
8	26WA90120	Paper feed wiring/upper (7022)
8	26XA90120	Paper feed wiring/upper (7130)
9	26TA73490	Wiring guide bridge
10	26WA40230	Paper feed connecting roller/1
11	08AA85510	Photosensor (7130)
12	26NA40700	Shaft positioning part
13	540076010	Paper feed shaft holder
14	26NA40160	Driving coupling
15	26NA40090	Paper feeding rubber
16	26NA40080	Feeding roller
17	40AA40150	Shaft positioning part
18	40AA76040	Feeding shaft holder
19	26NA40510	Paper feed idler gear (Z=17)
20	26NA40110	Double feed preventive rubber/upper
21	26NA40100	Double feed preventive roller/upper
22	26NA40830	Positioning arm
23	26XA40920	Paper detecting actuator (7130)
24	26XA-4050	Sensor mounting plate/upper assembly (7130)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z712106
e	00Z193061
f	00Z193101
h	00Z163051
j	00Z283061
k	00Z921302
m	00Z921942
n	00Z670206

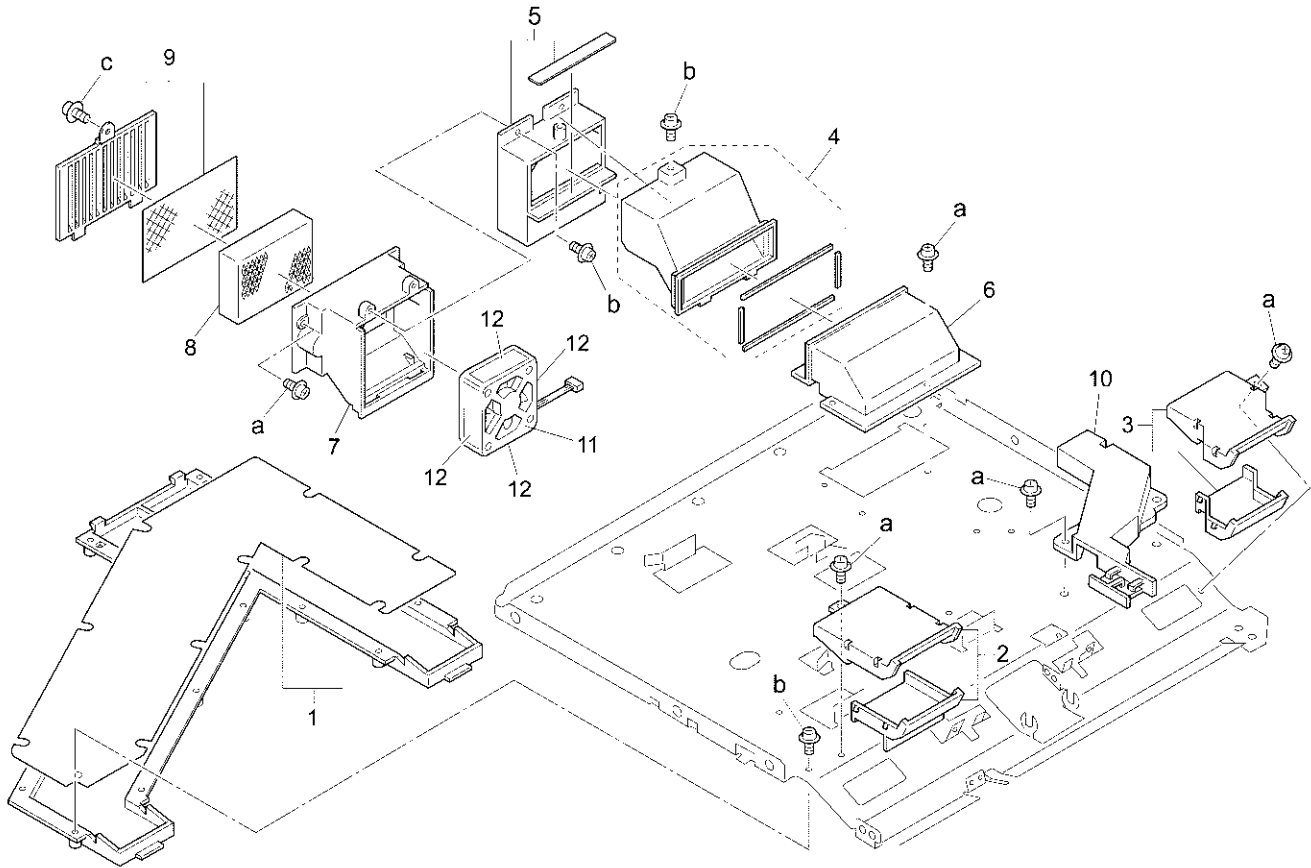
Paper Feed Unit (Upper)



REF. NO.	PART NUMBER	DESCRIPTION
1	40AA40181	Lever click shaft
2	26NA40120	Double feed preventive rubber/lower
3	26NA40500	Double feed preventive roller
4	40AA40450	Double feed pressure spring
5	26NA40281	Paper detecting actuator
6	066079020	Drawer
7	26NA40631	Paper feed pressure spring/front
8	26PA40031	Paper feed guide plate/upper
9	26NA40751	Paper detecting actuator/2
10	26NA40641	Paper feed pressure spring/rear
11	26NA40910	Paper feed guide sheet/A
12	26NA40261	Conveyance pressure spring
13	26NA40781	Paper feed support knob
14	25AA75530	Slide shaft holder
15	26NA42560	Manual feed driven roller
16	26NA40221	Paper feed auxiliary part

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193061
d	00Z253081

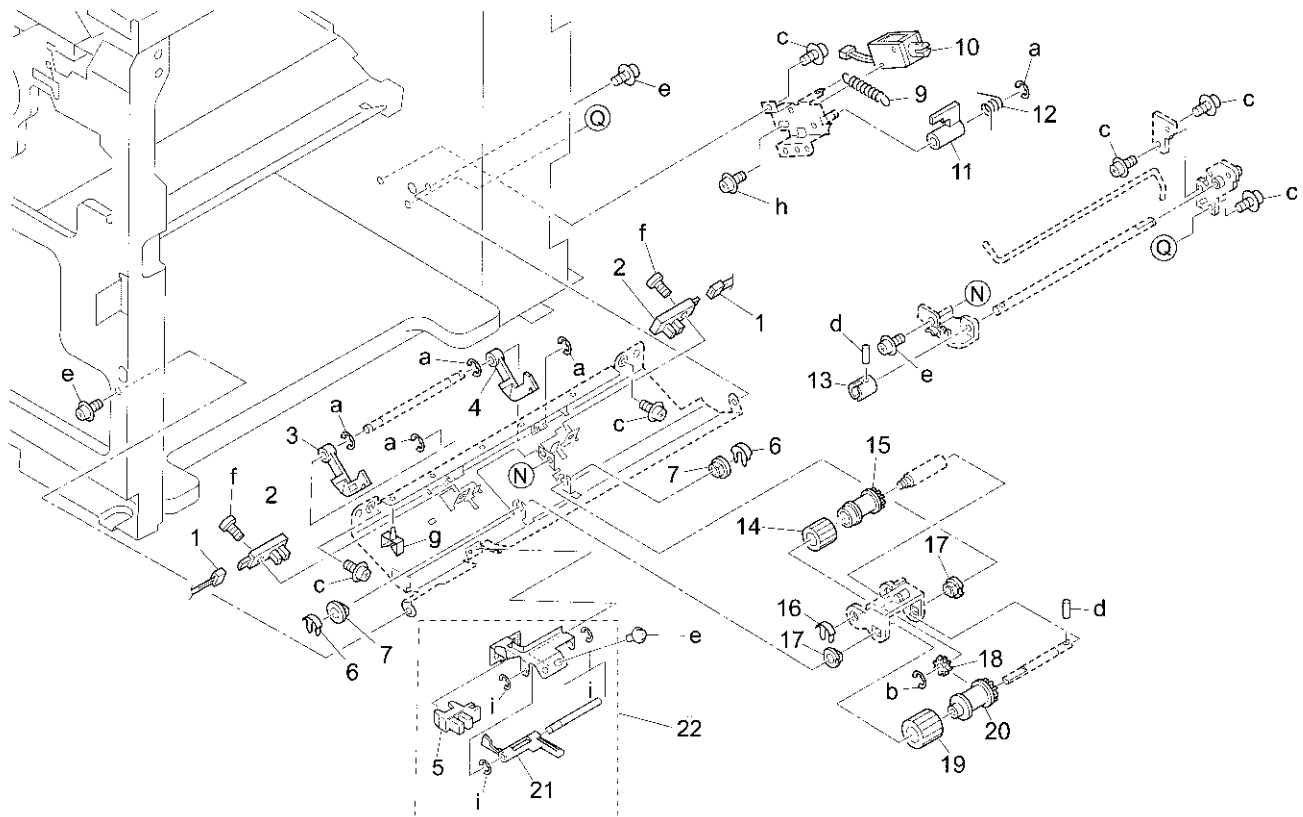
Suction Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3160	Suction cover sticking assembly
2	26TA-3110	Suction cover/2 assembly
3	26TA-3120	Suction cover/3 assembly
4	26TA-3130	Suction cover/6 assembly
5	26TA-3150	Fan cover/2 assembly
6	26TA31050	Suction cover/5
7	26TA31080	Fan cover/1
8	26TA31110	Suction filter/A
9	26TA-3140	Filter cover assembly
10	26TA73490	Wiring guide bridge
11	26NA80510	Main fan motor
12	26NA73731	Dust proof seal/5

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z253081
c	00Z193062

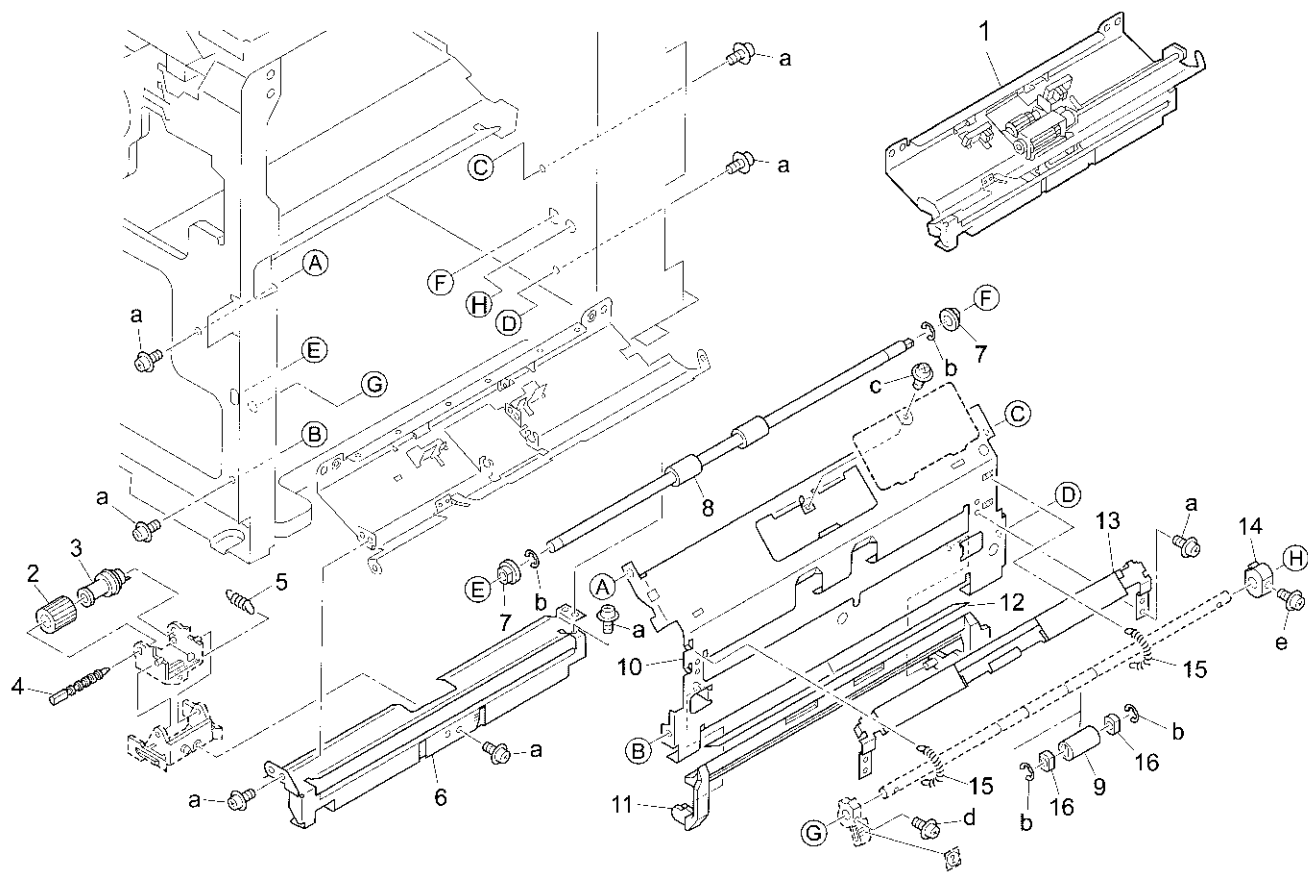
Paper Feed Unit (Lower)



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA90130	Paper feed wiring/lower (7022)
1	26XA90130	Paper feed wiring/lower (7130)
2	56AA85510	Photosensor
3	26NA40281	Paper detecting actuator
4	26NA40751	Paper detecting actuator/2
5	08AA85510	Photosensor (7130)
6	26NA40700	Shaft positioning part
7	540076010	Paper feed shaft holder
8	*	Not used
9	26NA40810	Paper feeding spring
10	26NA82510	Paper feed solenoid
11	26NA40830	Positioning arm
12	26NA40760	Lever hold spring
13	26NA40160	Driving coupling
14	26NA40090	Paper feeding rubber
15	26NA40080	Feeding roller
16	40AA40150	Shaft positioning part
17	40AA76040	Feeding shaft holder
18	26NA40510	Paper feed idler gear (Z=17)
19	26NA40110	Double feed preventive rubber/upper
20	26NA40100	Double feed preventive roller/upper
21	26XA40920	Paper detecting actuator (7130)
22	26XA-4060	Sensor mounting plate/lower assembly (7130)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z283061
d	00Z712106
e	00Z193061
f	00Z193101
g	00Z921942
h	00Z163051
i	00Z670206

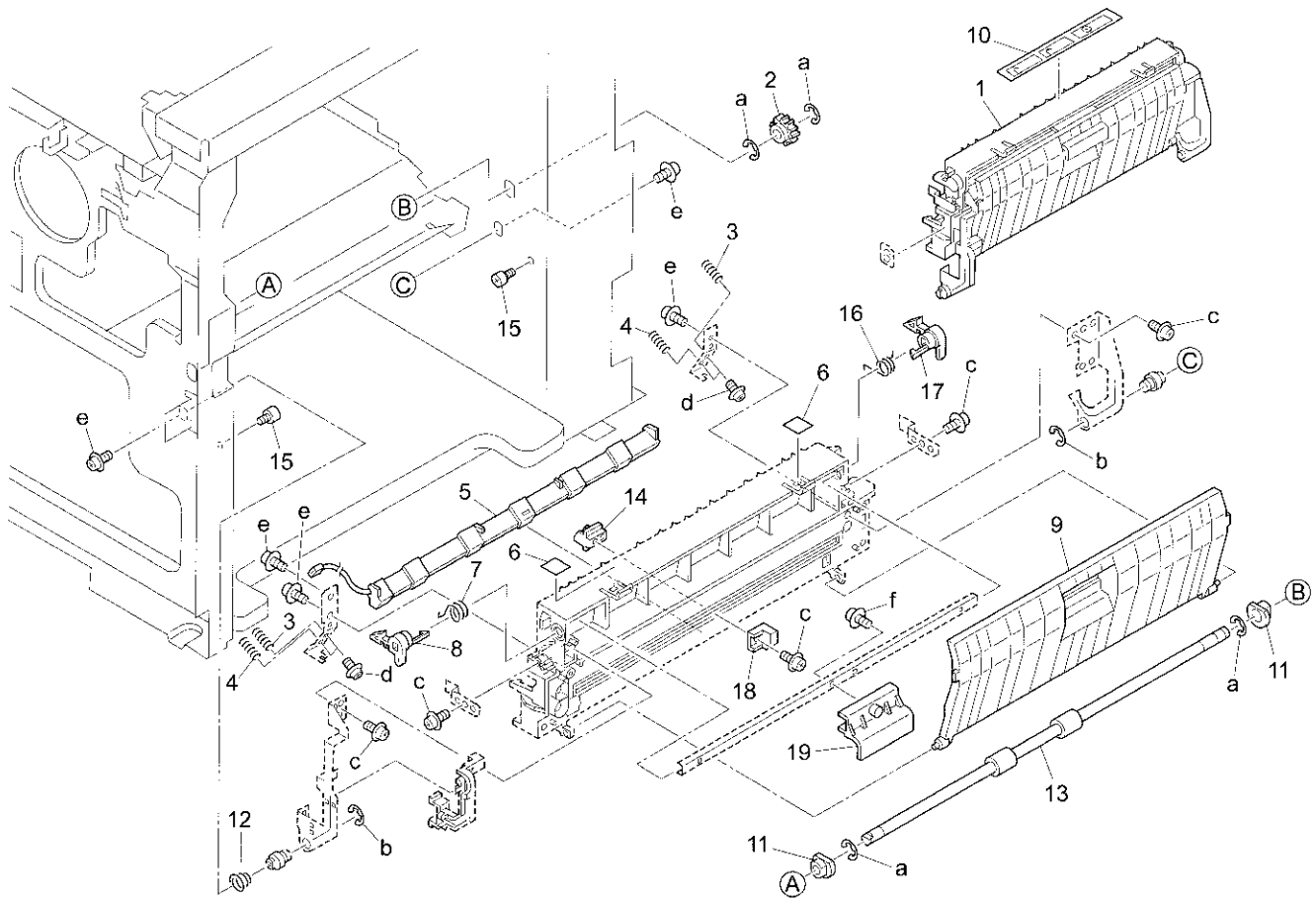
Paper Feed Unit (Lower)



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA-4010	Paper feed lower assembly (7022)
1	26XA-4010	Paper feed lower assembly (7130)
2	26NA40120	Double feed preventive rubber/lower
3	26NA40500	Double feed preventive roller
4	40AA40181	Lever click shaft
5	40AA40450	Double feed pressure spring
6	26PA40741	Paper feed guide plate/lower
7	26NA40820	Paper feed slide shaft holder
8	26NA40671	Paper feed connecting roller/2
9	26NA40681	Paper feed driven roller/lower
10	26NA40190	Paper feed plate/right
11	26NA40270	Side guide plate
12	26NA50352	Guide sheet
13	26NA-4160	Paper feed enter plate assembly
14	26NA40880	Cam release part/rear
15	26NA40720	Paper feed conveyance spring
16	26NA40890	Slide shaft holder

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z670606
c	00Z183061
d	00Z193141
e	00Z163121

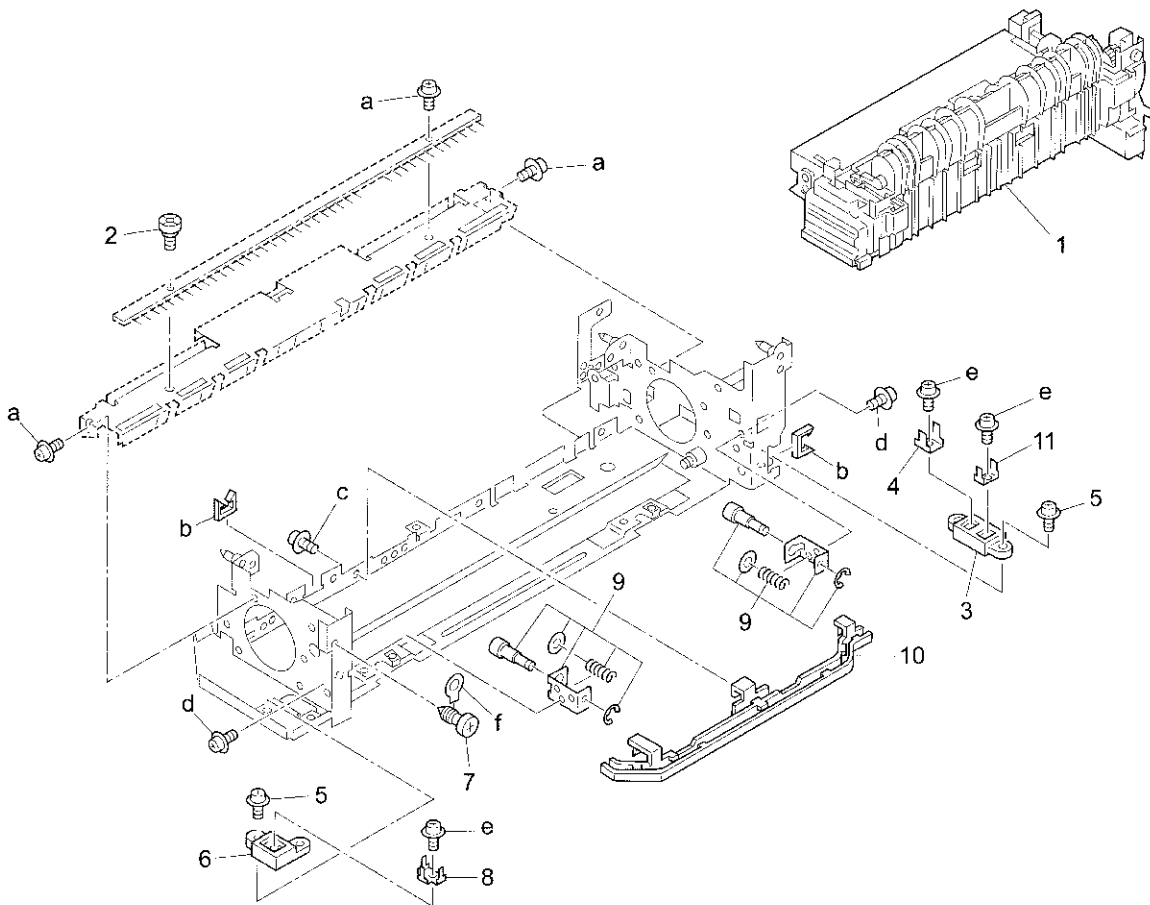
Conveyance Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4501	Conveyance unit
2	26NA16130	Clutch gear/1 (Z=27)
3	26NA45490	Lifting spring/2
4	26NA45071	Lift-up spring
5	26NA-4581	PTL light shield assembly
6	26NA97380	Open-close label/lower
7	26NA45330	Lock spring/2
8	26NA45220	Open-close lever
9	26NA45340	Conveyance guide part
10	26NA97491	Drum caution label
11	466076020	Paper feeding shaft holder
12	26NA45290	Ground spring
13	26NA45030	Conveyance roller
14	26NA45401	Guide part
15	26NA45430	Conveyance stopper
16	26NA45320	Lock spring/1
17	26NA45310	Open-close lever/2
18	26NA45410	Electrode cleaning knob
19	26NA45350	Conveyance knob

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z253081
d	00Z113041
e	00Z193061
f	00Z243061

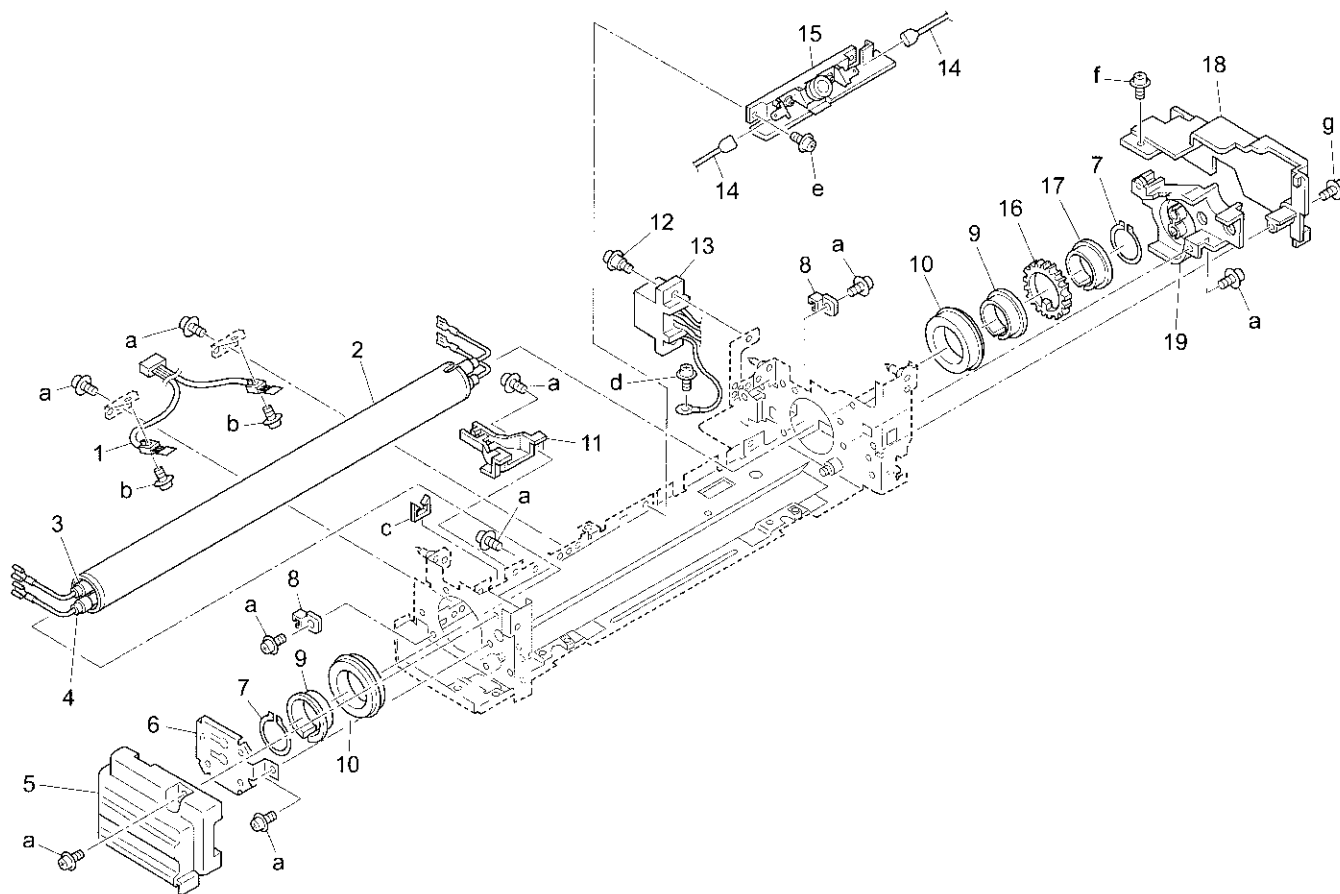
Fixing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26WE-5300	Fixing unit
2	26NA54190	Fixing guide screw
3	26NA53770	Terminal plate/A
4	26NA53740	Terminal plate/A
5	26NA54230	Terminal fixing screw
6	26NA53780	Terminal plate/B
7	26NA53931	Fixed screw
8	26NA54280	Terminal plate
9	26NA-5461	Pressure spring assembly
10	26NA54051	Wiring guide part/B
11	40AA53470	Terminal plate/1

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z163061
b	00Z921330
c	00Z193041
d	00Z183031
e	00Z153061
f	00Z600406

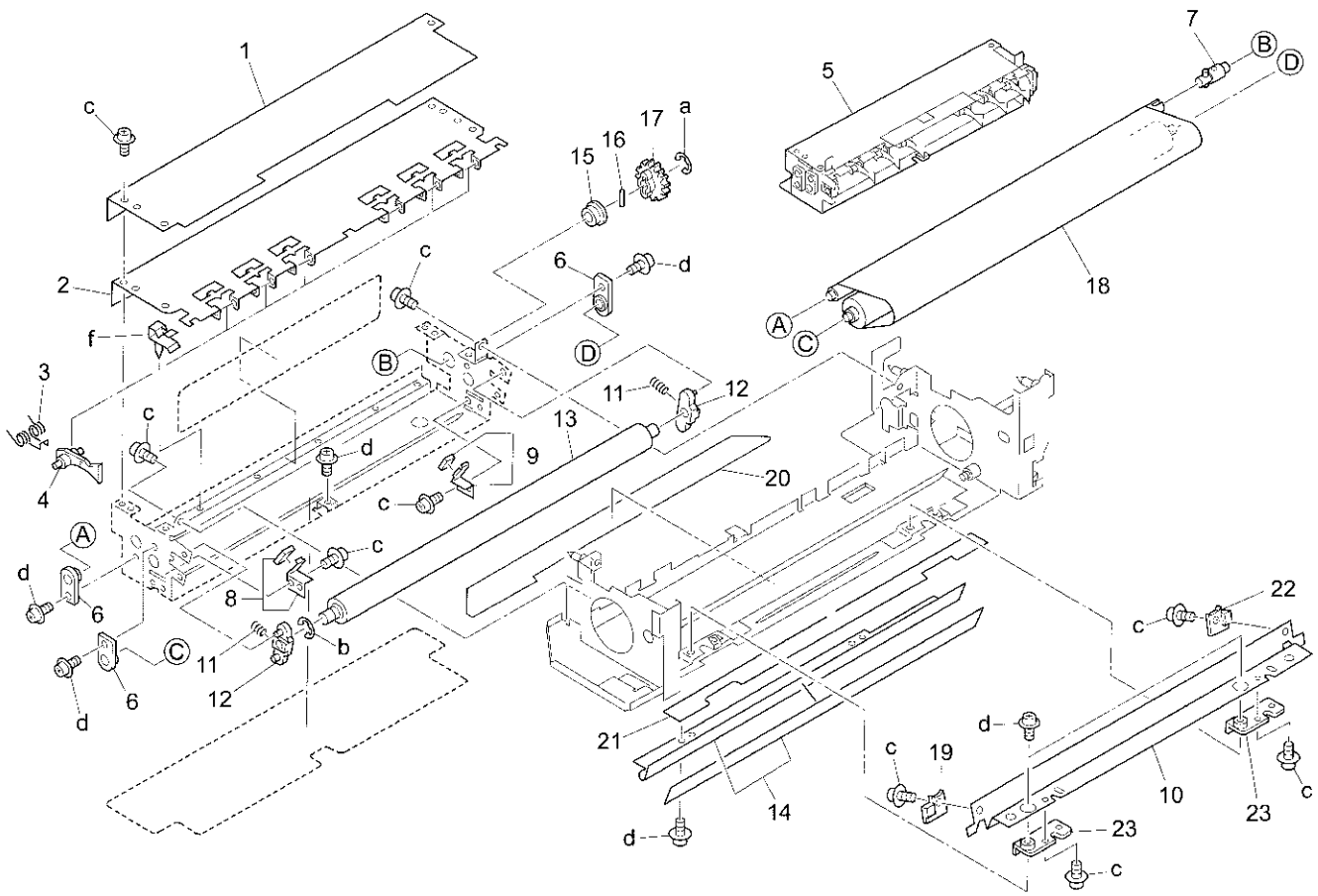
Fixing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA88011	Fixing sensor
2	26NA53034	Fixing roller/upper
3	26NE83020	Fixing heater/1
4	26NE83030	Fixing heater/2
5	26NA53401	Fixing cover/front
6	26NA53890	Lamp support part/front
7	26NA53620	Fixing fixed part
8	26NA53211	Wiring guide part/A
9	26NA53720	Heat insulating sleeve/A
10	26NA53710	Fixing shaft holder/upper
11	26NA54150	Wiring guide part/C
12	26NA54030	Mount screw
13	26WA90050	Fixing powering wiring
14	26NA90040	Fuse cord/1
15	SP00-0110	Fuse mount plate assembly
16	26NA54060	Fixing gear (Z=40)
17	26NA53730	Heat insulating sleeve/B
18	26NA53410	Fixing cover/rear
19	26NA53900	Lamp support part/rear

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193041
b	00Z163101
c	00Z921330
d	00Z164061
e	00Z163061
f	00Z193061
g	00Z193251

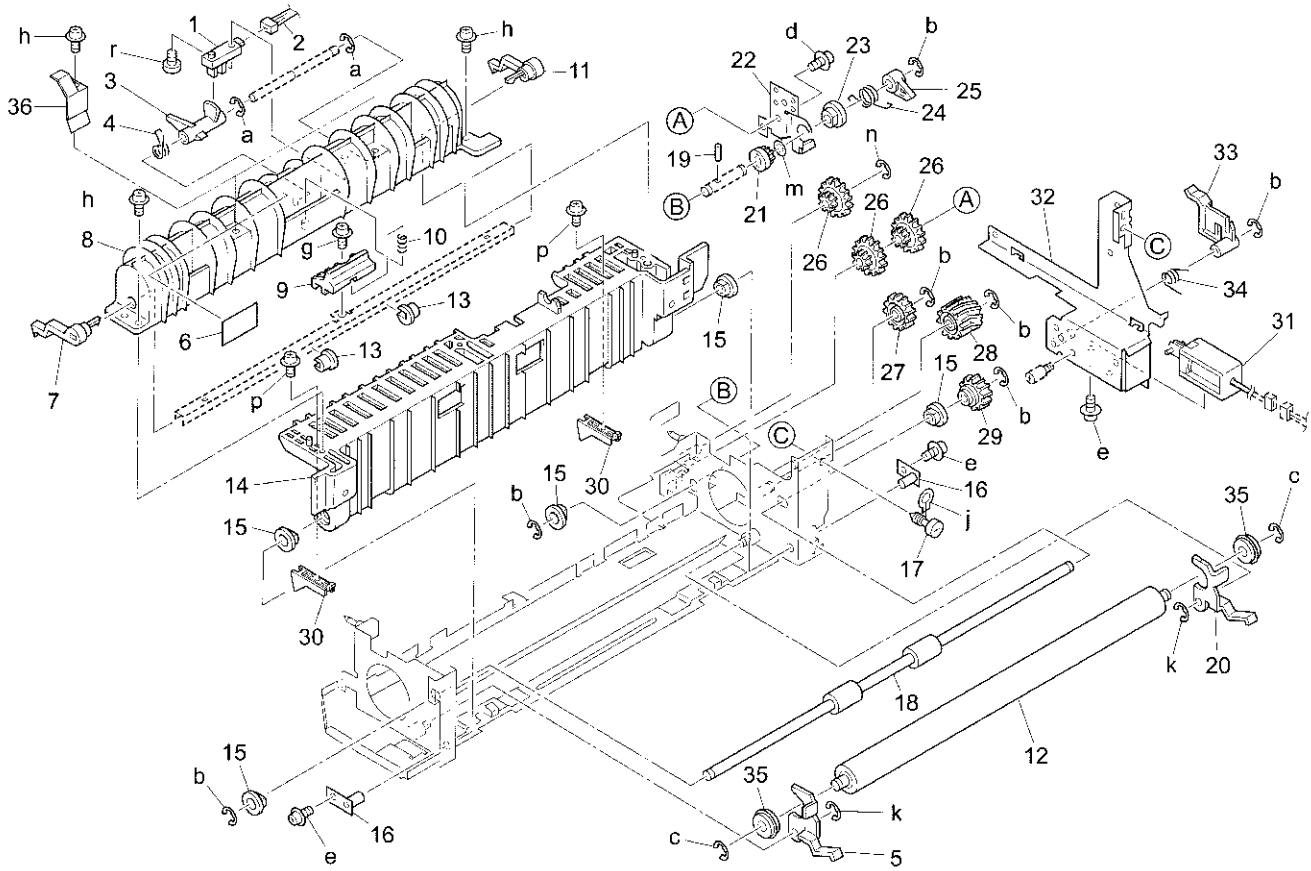
Fixing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA53560	Heat insulating sheet/E
2	26NA53271	Cleaner cover
3	26NA54160	Separate spring
4	26NA54270	Fixing claw
5	26NA-5401	Cleaner assembly
6	26NA53510	Fixing cleaner shaft holder/B
7	26NA-5430	Cleaner driving shaft assembly
8	26NA-5410	Regulating plate/front assembly
9	26NA-5420	Regulating plate/rear assembly
10	26NA53650	Fixing entrance plate
11	26NA53610	Cleaner pressure spring
12	26NA53490	Fixing cleaner shaft holder/A
13	26NA53830	Fixing cleaner roller
14	26NA-5481	Fixing entrance plate/2 assembly
15	26NA54300	Fixing cleaner shaft holder/A
16	113620600	Pin (A)
17	26NA53470	Cleaner gear/B (Z=44)
18	26NA53430	Web
19	26NA53680	Pressure part/A
20	26NA53250	Fixing heat insulate sheet/B
21	26NA53360	Fixing heat insulate sheet/C
22	26NA54010	Pressure part/B
23	26NA53790	Heat insulating part

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193041
d	00Z193061
f	00Z921930

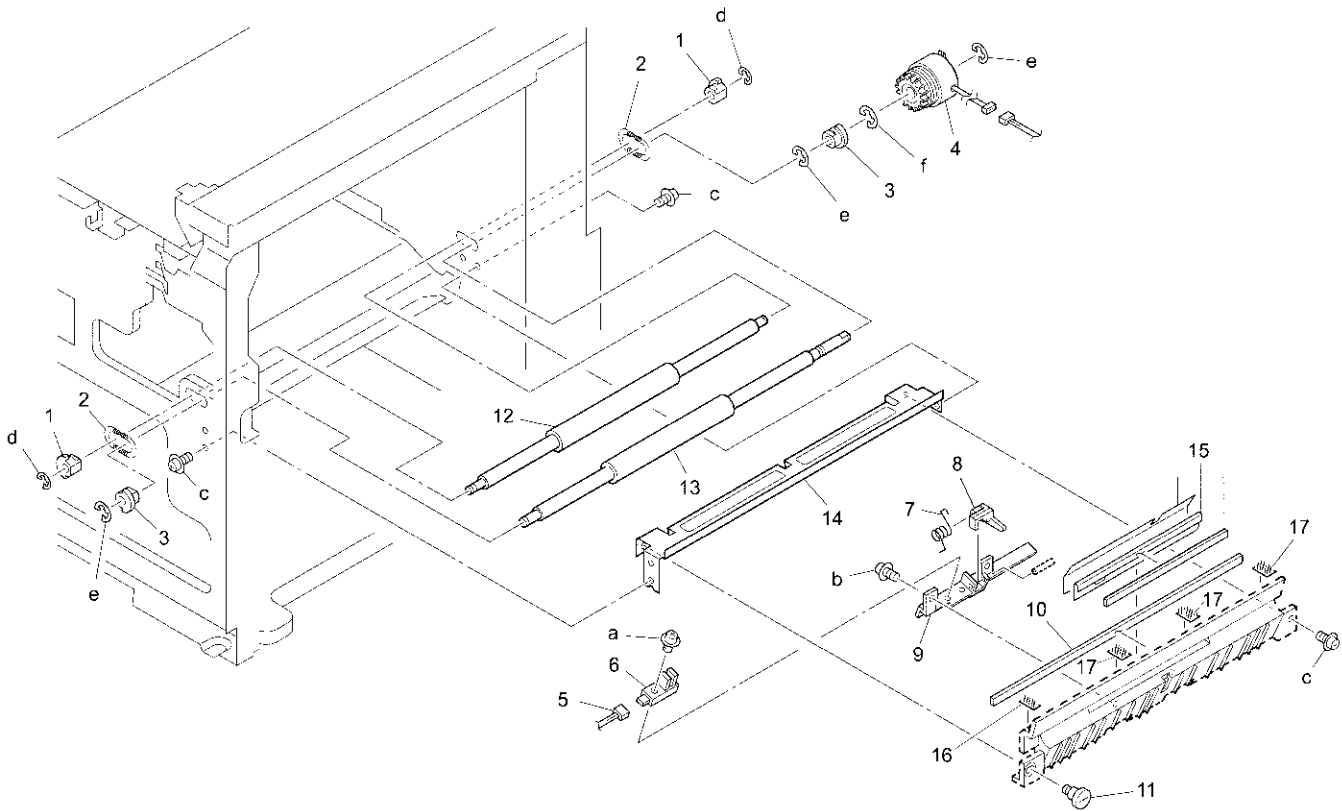
Fixing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	55VA85520	Photosensor
2	26TA90490	Fixing relay wiring/2
3	26TA53171	Fixing paper exit actuator
4	26NA53700	Pressure spring
5	26NA53070	Pressure arm/front
6	26NE97470	Lever indication label/5
7	26NA54070	Lock part/front
8	26NA53882	Fixing guide part/2
9	26NA54110	Open-close lever
10	26NA54120	Open-close spring
11	26NA54080	Lock part/rear
12	26NA53040	Fixing roller/lower
13	26NA54100	Lever shaft holder
14	26NA53020	Fixing guide part
15	192141710	Paper push up lever shaft holder
16	26NA-5440	Rotary shaft/A assembly
17	26NA53931	Fixed screw
18	26NA53131	Conveyance roller
19	466078010	Pin A
20	26NA53080	Pressure arm/rear
21	26NA53460	Cleaner gear/A
22	26NA-5470	Auxiliary part assembly
23	26NA53840	Fixing cleaner shaft holder/C
24	26NA53290	Lever spring
25	26NA54040	Fixing cleaner lever
26	26NA54290	Fixing driving gear/D (Z=18/44)
27	26NA53940	Fixing idler gear/B (Z=21)
28	26NA53440	Fixing idler gear/A (Z=21/21)
29	26NA53450	Conveyance drive gear (Z=21)
30	26NA54310	Paper guide part
31	26NA-4890	ADU Solenoid shaft assembly
32	26NA-5510	Fixing mount rail assembly
33	26NA53660	Solenoid actuator
34	26NA53670	Solenoid spring
35	26NA53590	Fixing shaft holder/lower
36	26NA-5281	Conveyance guide sheet/2 assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z670406
c	00Z670606
d	00Z163061
e	00Z193041
g	00Z193061
h	00Z253101
j	00Z600406
k	00Z670306
m	00Z610601
n	00Z670506
p	00Z253081
r	00Z253121

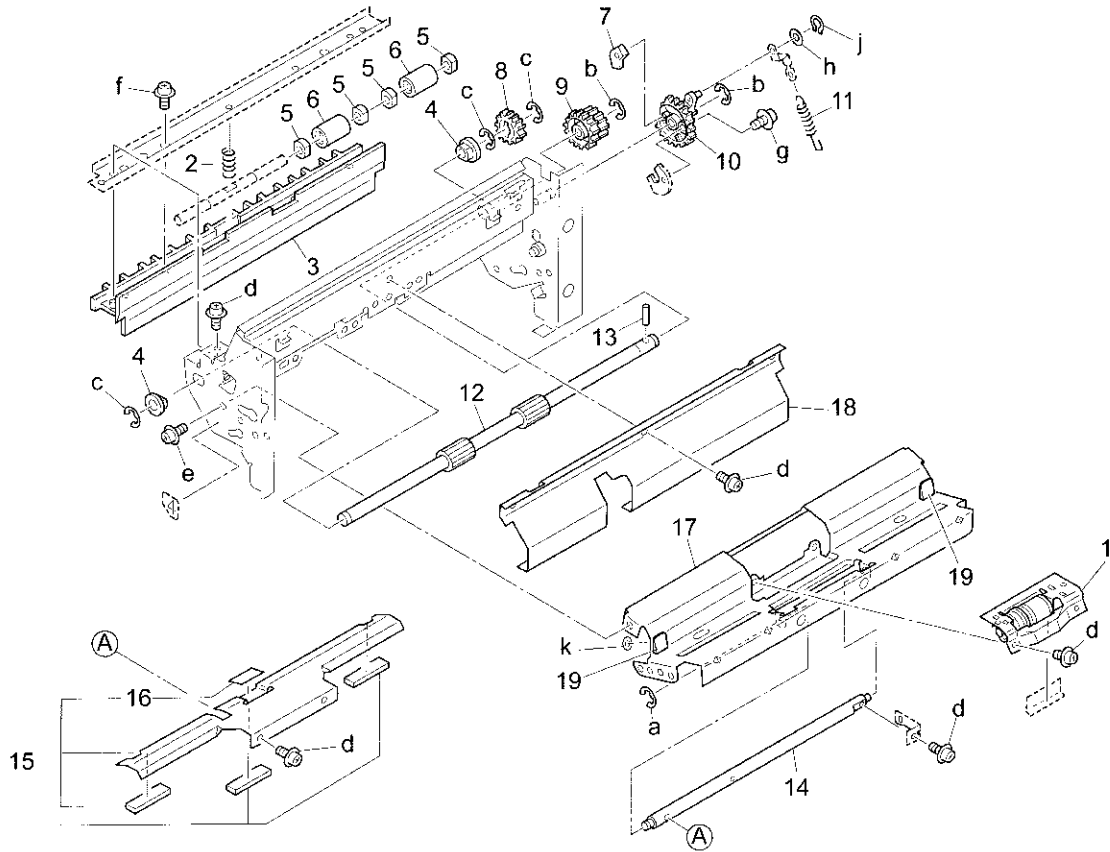
Registration Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA45371	Registration unit shaft holder/2
2	26NA45141	Registration unit spring
3	26NA45360	Registration unit shaft holder/1
4	26NA82010	Registration unit clutch
5	26WA90440	Registration unit relay wiring
6	56AA85510	Photosensor
7	26NA45170	Pressure spring
8	26NA45160	Registration unit actuator
9	26NA45150	Support part
10	26NA45450	Dust proof seal
11	26NA45440	Registration unit fixed screw
12	26NA45130	Registration unit roller/B
13	26NA45120	Registration unit roller/A
14	26NA-4520	Conveyance support plate assembly
15	26NA-4540	Registration unit cleaner assembly
16	26TA31170	Suction seal/4
17	26TA31180	Suction seal/5

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253141
b	00Z253081
c	00Z193061
d	00Z670406
e	00Z670506
f	00Z670606

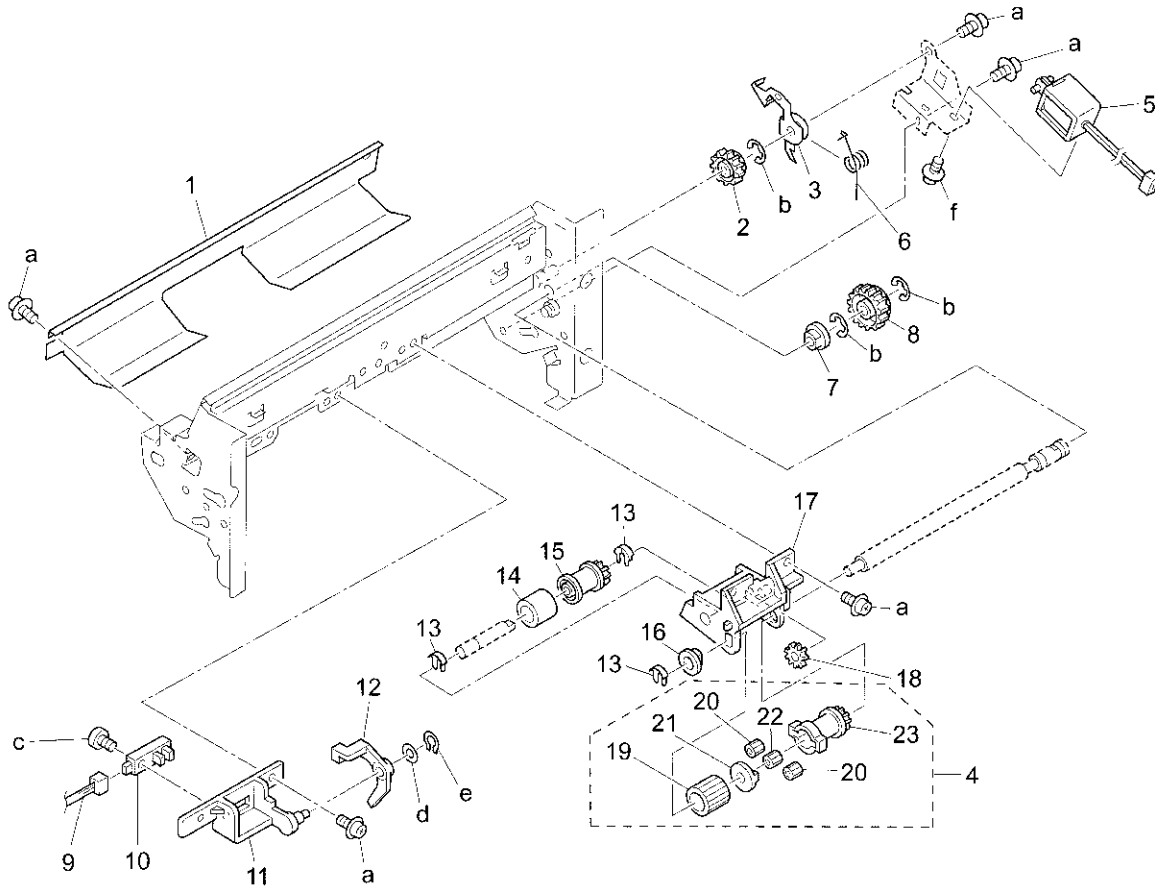
Manual Feed Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4241	Manual feed paper guide assembly
2	26NA42241	Manual feed conveyance spring
3	26NA42010	Manual feed guide part
4	26NA40820	Paper feed slide shaft holder
5	25AA75530	Slide shaft holder
6	26NA40240	Paper feed driven roller
7	40AA42310	Manual feed pressure rubber
8	26NA42061	Manual feed conveyance gear (Z=21)
9	26NA42050	Manual feed idler gear/upper (Z=28/30)
10	26NA42070	Cam pressure gear (Z=25)
11	26NA42220	Manual feed pressure spring
12	26NA42021	Manual feed conveyance roller
13	304078040	Pin B
14	26NA42200	Manual feed lift-up shaft
15	26NA-4221	Manual feed lift-up plate assembly
16	540042350	Double feed preventive plate
17	26NA42251	Manual feed guide plate
18	26NA-4311	Manual feed cover assembly
19	26NA42570	Manual feed guide spacer

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z193061
e	00Z183063
f	00Z253081
g	00Z183041
h	00Z610301
j	00Z680306
k	00Z660306

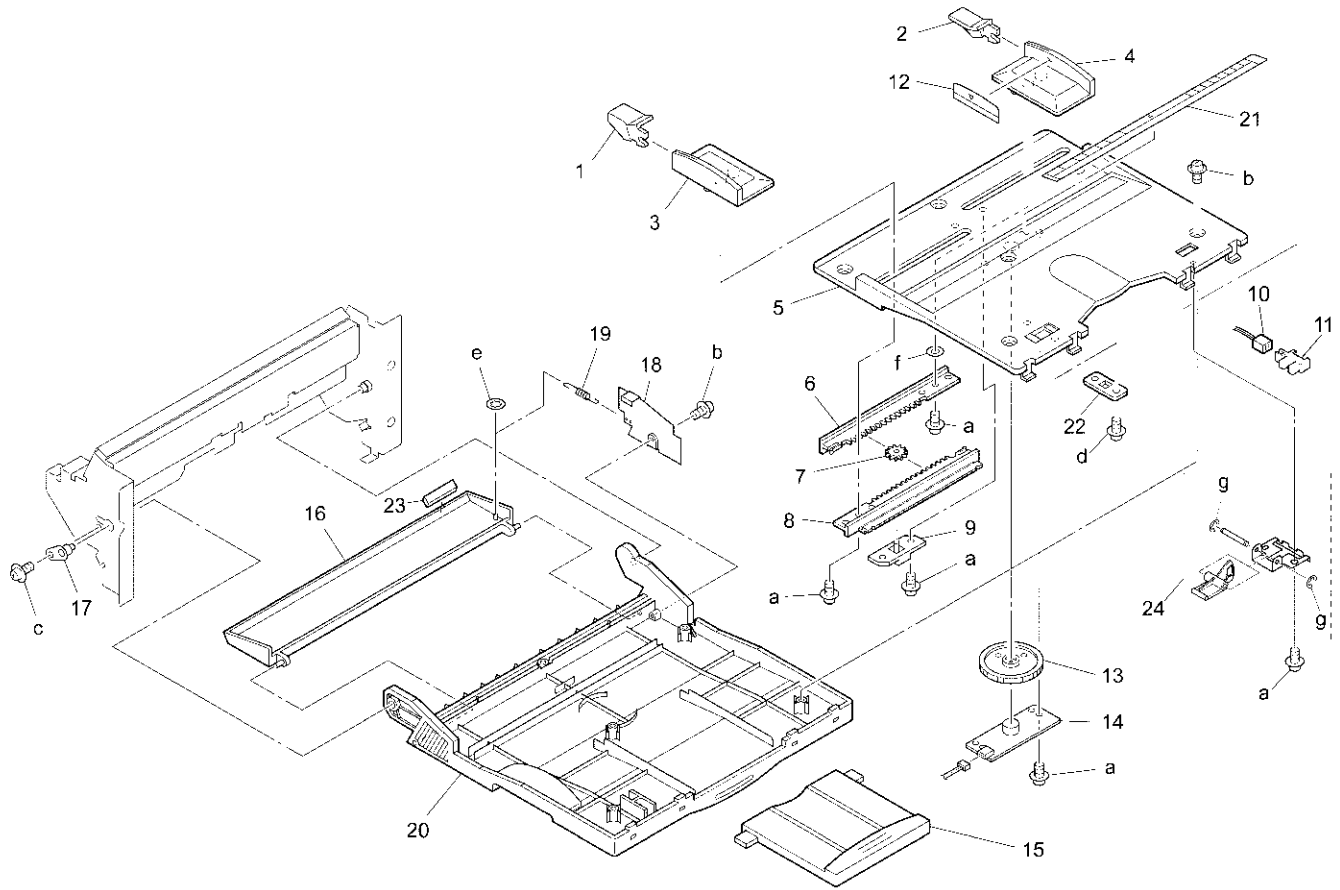
Manual Feed Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA42480	Bypass feed guide plate/upper
2	26NA42040	Manual feed idler gear/lower (Z=22)
3	26NA42030	Manual feed driving cam
4	26NA-4280	Manual feed pick up assembly/2
5	26NA-5090	Manual feed solenoid assembly
6	26NA42210	Cam spring
7	466076020	Paper feeding shaft holder
8	40AA42270	Manual feed clutch
9	26WA90140	Manual feed wiring
10	56AA85510	Photosensor
11	26NA42351	Support part
12	26NA42280	Manual feed detecting part
13	40AA40150	Shaft positioning part
14	540040562	Paper supply rubber
15	40AA42100	Manual feed conveyance roller
16	540076010	Paper feed shaft holder
17	26NA42081	Manual feed part
18	26NA42580	Gear (D) (Z=16)
19	25BA40320	Paper feeding rubber
20	26NA42630	Clutch lock gear (Z=10)
21	26NA42590	Cover
22	26NA42610	Clutch standard gear
23	26NA42600	Manual feed roller

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z670406
c	00Z253141
d	00Z610401
e	00Z660406
f	00Z193041

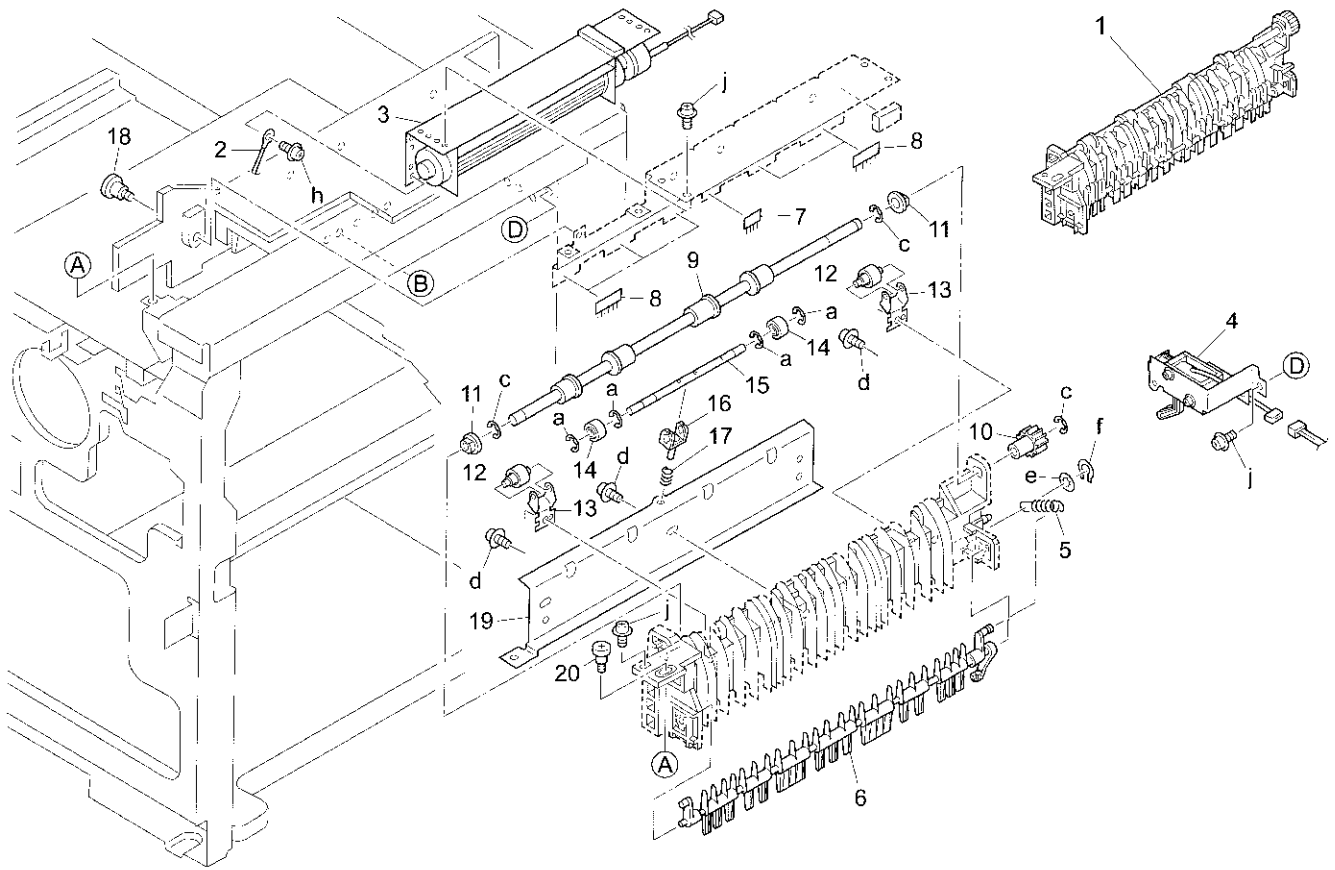
Manual Feed Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA42330	Paper guide plate/front
2	26NA42340	Paper guide plate/rear
3	26NA42391	Paper regulating part/front
4	26NA42401	Paper regulating part/rear
5	26NA42171	Manual feed tray/upper
6	396040611	Rack
7	466077130	Pinion
8	26NA42440	Rack/A
9	540042120	Slide holder/1
10	26NA90451	Bypass feed detecting wiring
11	55VA85520	Photosensor
12	26NA97350	Manual feed label/2
13	26NA42450	Pinion/A (Z=124)
14	13QA-9010	Size detecting board assembly
15	26NA42320	Manual feed auxiliary tray
16	26NA42300	Manual feed cover
17	26NA-4291	Manual feed fulcrum plate assembly
18	26NA42490	Wiring plate
19	26NA42380	Manual feed open-close spring/rear
20	26NA42181	Manual feed tray/lower
21	26NA97270	Manual feed label/1
22	26NA42550	Magnet pressure plate
23	26NA42620	Manual feed sticking part/3
24	26NA-4330	Paper detecting actuator assembly

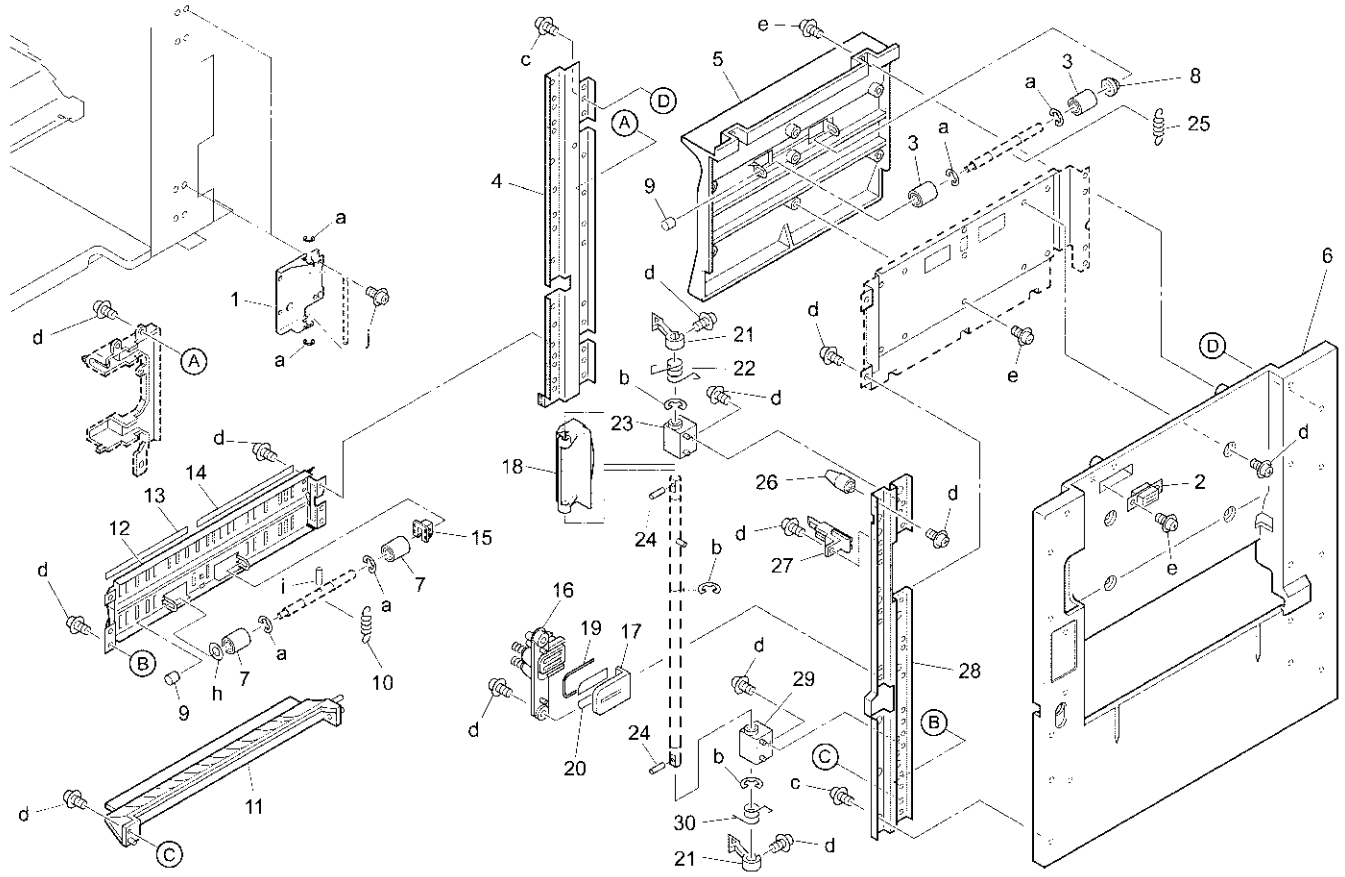
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z253082
c	00Z193061
d	00Z253181
e	00Z660306
f	00Z610301
g	00Z670206

Paper Exit Unit



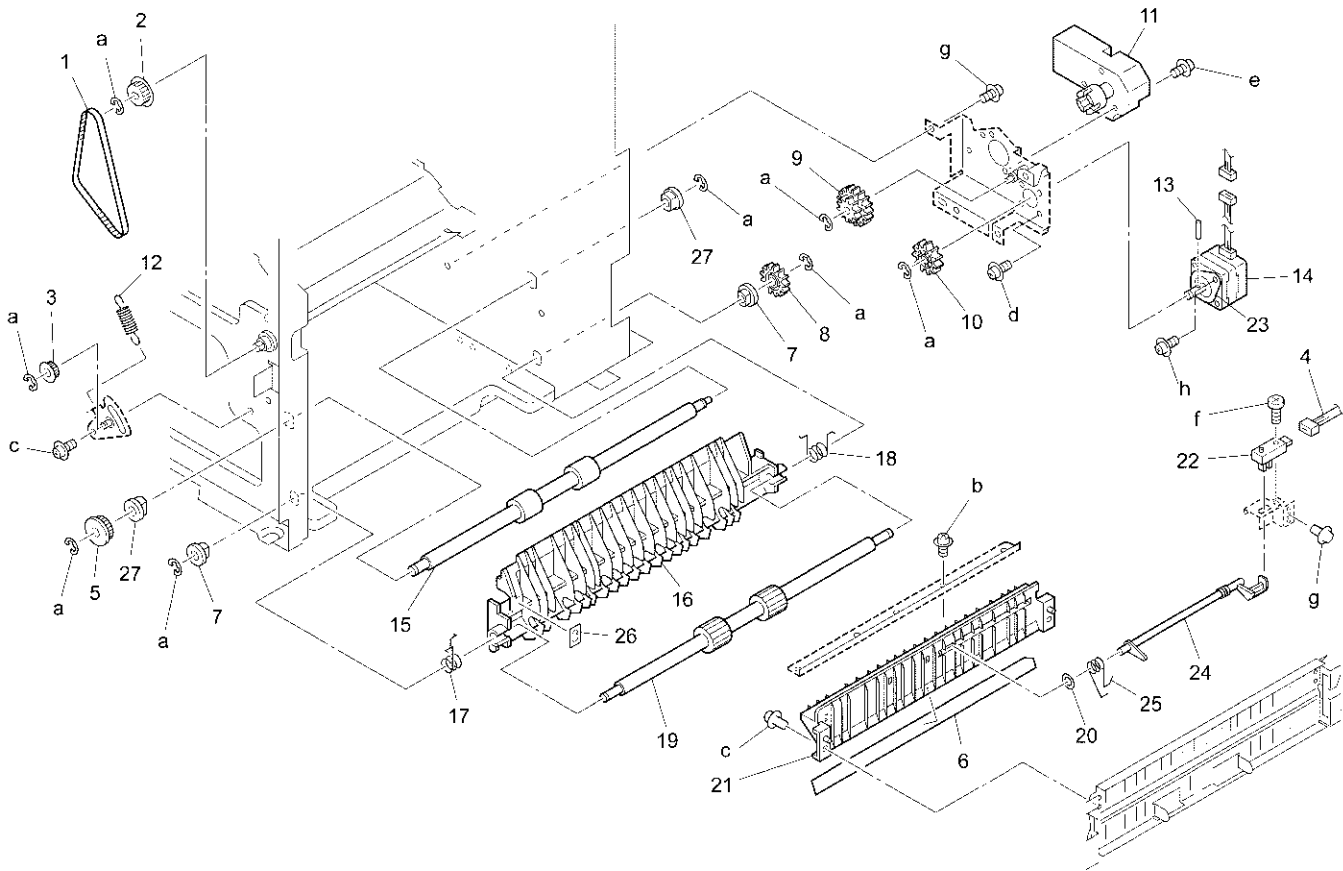
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4801	Paper exit unit
2	26NA90470	Paper exit ground wiring
3	26NA-7390	Fan motor assembly
4	26NA-4870	ADU change solenoid assembly
5	26NA48110	Tension spring
6	26NA48250	Paper exit guide part
7	26NA48220	Neutralizing brush/B
8	26NA48210	Neutralizing brush/A
9	26NA48020	Paper exit roller
10	26NA15740	Paper exit gear (Z=26)
11	508053460	Paper exit slide shaft holder
12	26NA48120	Paper exit driven roller
13	26NA48130	Paper exit driven spring
14	26NA48070	Paper exit driven roller
15	26NA48081	Paper exit driven shaft
16	26NA48140	Paper exit driven part
17	26NA48100	Paper exit spring
18	26NA12430	External fixed screw
19	26NA48010	Paper exit stay
20	26NA45440	Registration unit fixed screw

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
c	00Z670406
d	00Z253081
e	00Z610301
f	00Z660306
h	00Z183061
j	00Z193061



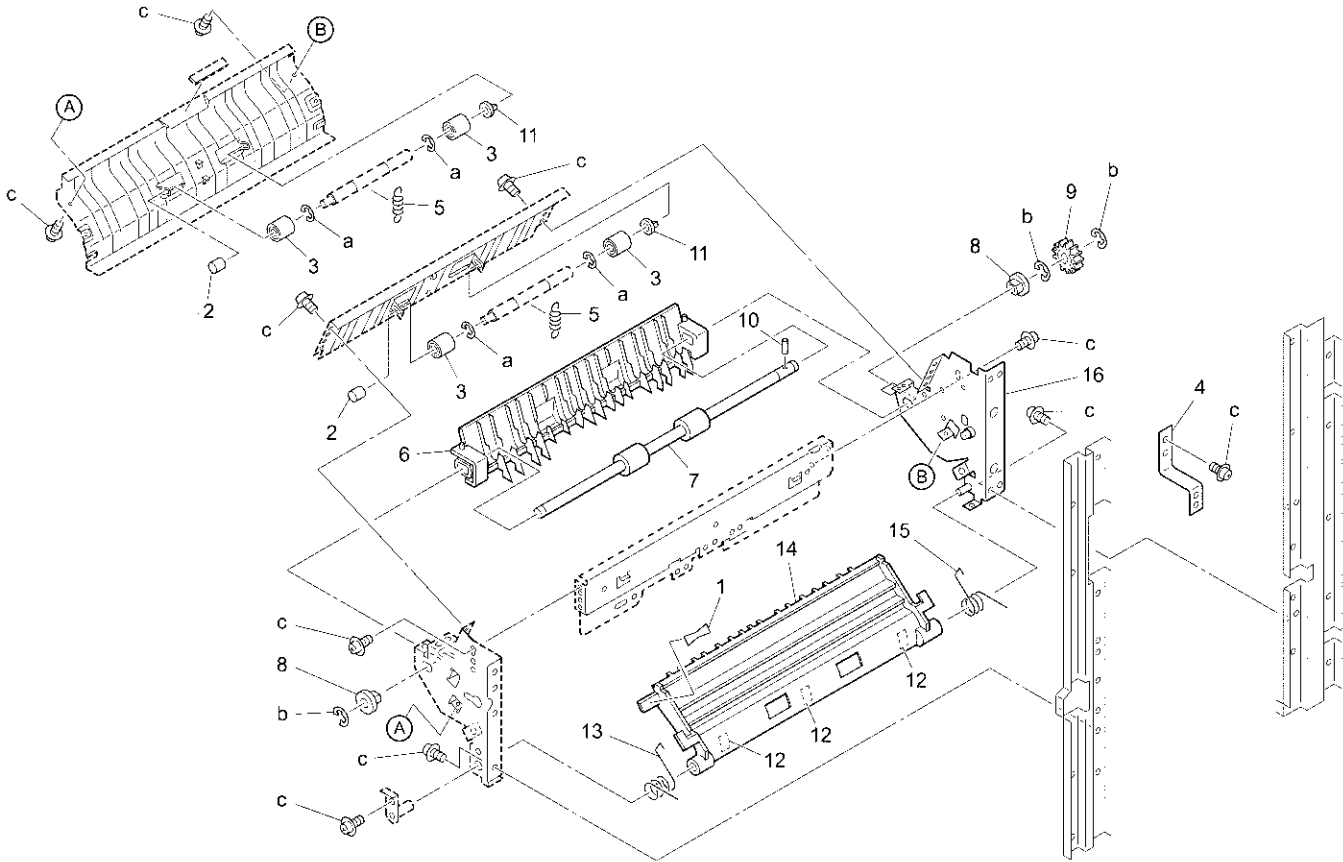
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA50210	Hinge plate/B
2	059010620	Magnet catch
3	26NA51070	Pressure roller/upper
4	26TA-5080	ADU reinforcing stay/rear assembly
5	26NA50792	ADU guide plate/upper
6	26NA50011	ADU cover
7	26NA50290	Pressure roller
8	26NA51060	Driven shaft holder
9	552012250	Roller/B
10	26NA50900	Reversing spring
11	26NA50230	Conveyance guide part/lower
12	26NA50811	Conveyance guide plate/lower
13	26NA50991	Conveyance sheet
14	26NA51020	Conveyance sheet/front
15	26NA51090	Driven shaft holder/lower
16	26NA-5024	High voltage casing/B assembly
17	26NA50522	High voltage casing/A
18	26NA51110	Open-close knob
19	26NA51720	Insulating sheet/2
20	26NA50971	Insulating sheet
21	26NA50963	ADU lock claw
22	26NA50330	Conveyance lock spring
23	26NA50630	Shaft holder part/upper
24	466078010	Pin A
25	26NA50890	Conveyance pressure spring
26	26NA50721	ADU positioning pin/front
27	26NA50870	ADU open-close actuator
28	26NA50840	ADU reinforce stay/front
29	26NA50640	Shaft holder part/lower
30	26NA50760	Conveyance lock spring/lower

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z254081
d	00Z193061
e	00Z253081
h	00Z610401
i	00Z711146
j	00Z283061



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA50450	Driving belt (L=300)
2	26NA50430	Conveyance pulley/B (Z=28)
3	26NA50370	Idler pulley (Z=18)
4	26WA90330	Wiring/3
5	26NA50420	Conveyance pulley/A (Z=28)
6	26NA50340	Reversal sheet
7	508053460	Paper exit slide shaft holder
8	26NA50150	Reversal gear (Z=29)
9	26NA50170	ADU idler gear (Z=23/38)
10	26WA50160	Motor gear (Z=24)
11	26NA80041	Cassette driving motor
12	26NA51030	Tension spring
13	113620600	Pin (A)
14	56GA80060	HB motor/40
15	26NA50240	ADU guide roller
16	26NA50031	Guide part/lower
17	26NA50710	Lift-up spring/front
18	26NA50400	Lift-up spring
19	26NA50110	Reversal roller
20	26NA50920	Reversal spacer
21	26NA50021	Guide part/middle
22	56AA85510	Photosensor
23	56GA73430	Motor fixing part/1
24	26NA50071	Reversal actuator
25	26NA50360	Conveyance guide spring
26	26NA97450	Lever indication label/3
27	466076020	Paper feeding shaft holder

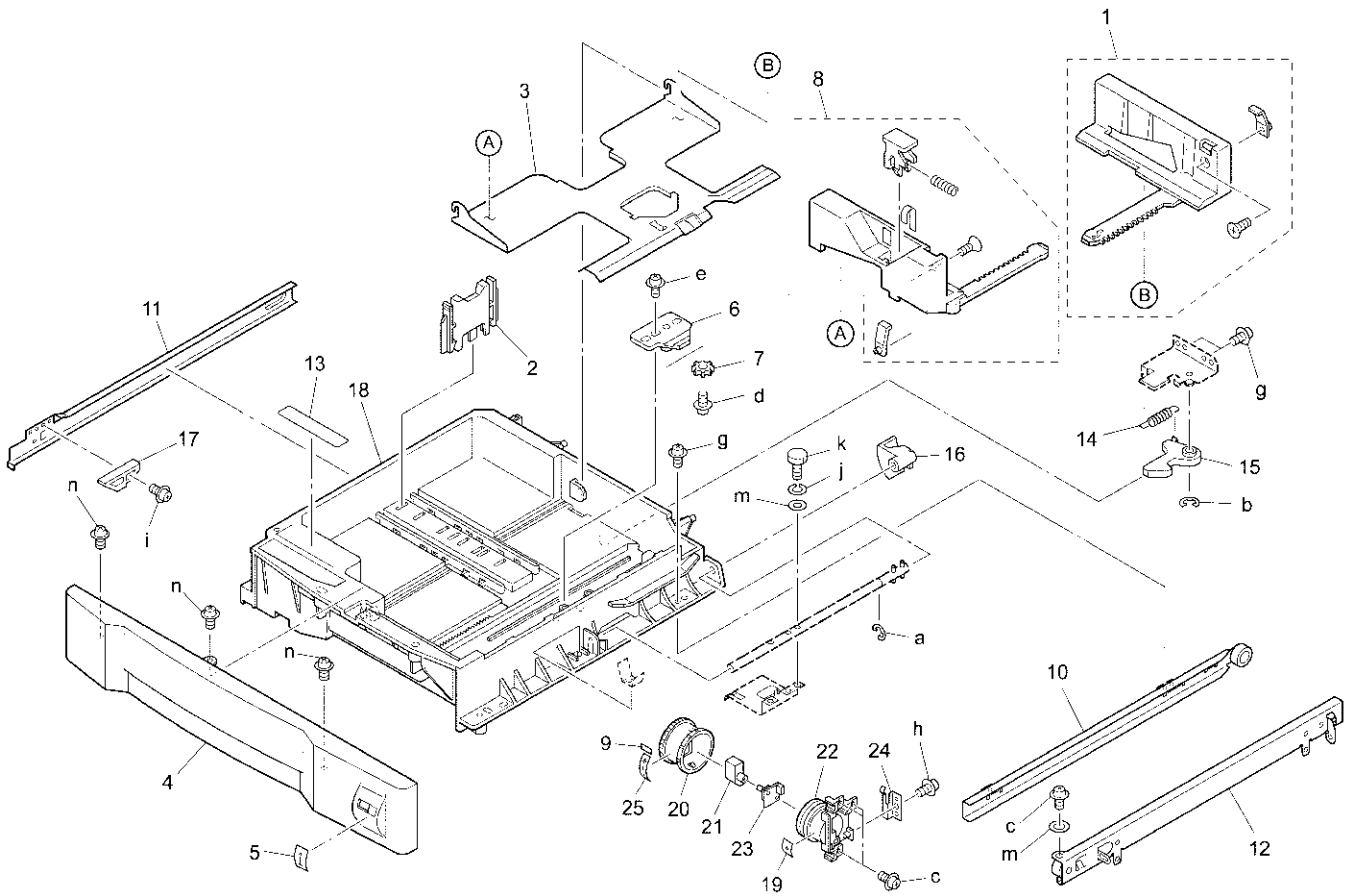
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z253081
c	00Z193061
d	00Z163061
e	00Z193201
f	00Z193101
g	00Z283061
h	00Z113051



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA97370	Open-close label/upper
2	552012250	Roller/B
3	26NA50290	Pressure roller
4	26NA50780	ADU open-close belt
5	26NA50890	Conveyance pressure spring
6	26NA50671	Paper guide part/upper
7	26NA42021	Manual feed conveyance roller
8	26NA40820	Paper feed slide shaft holder
9	26NA42061	Manual feed conveyance gear (Z=21)
10	304078040	Pin B
11	26NA51060	Driven shaft holder
12	26NA50910	Slide sheet
13	26NA50540	Open-close spring/front
14	26NA50061	Paper guide part/lower
15	26NA50550	Open-close spring/rear
16	26NA-5151	ADU conveyance panel assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670606
c	00Z193061

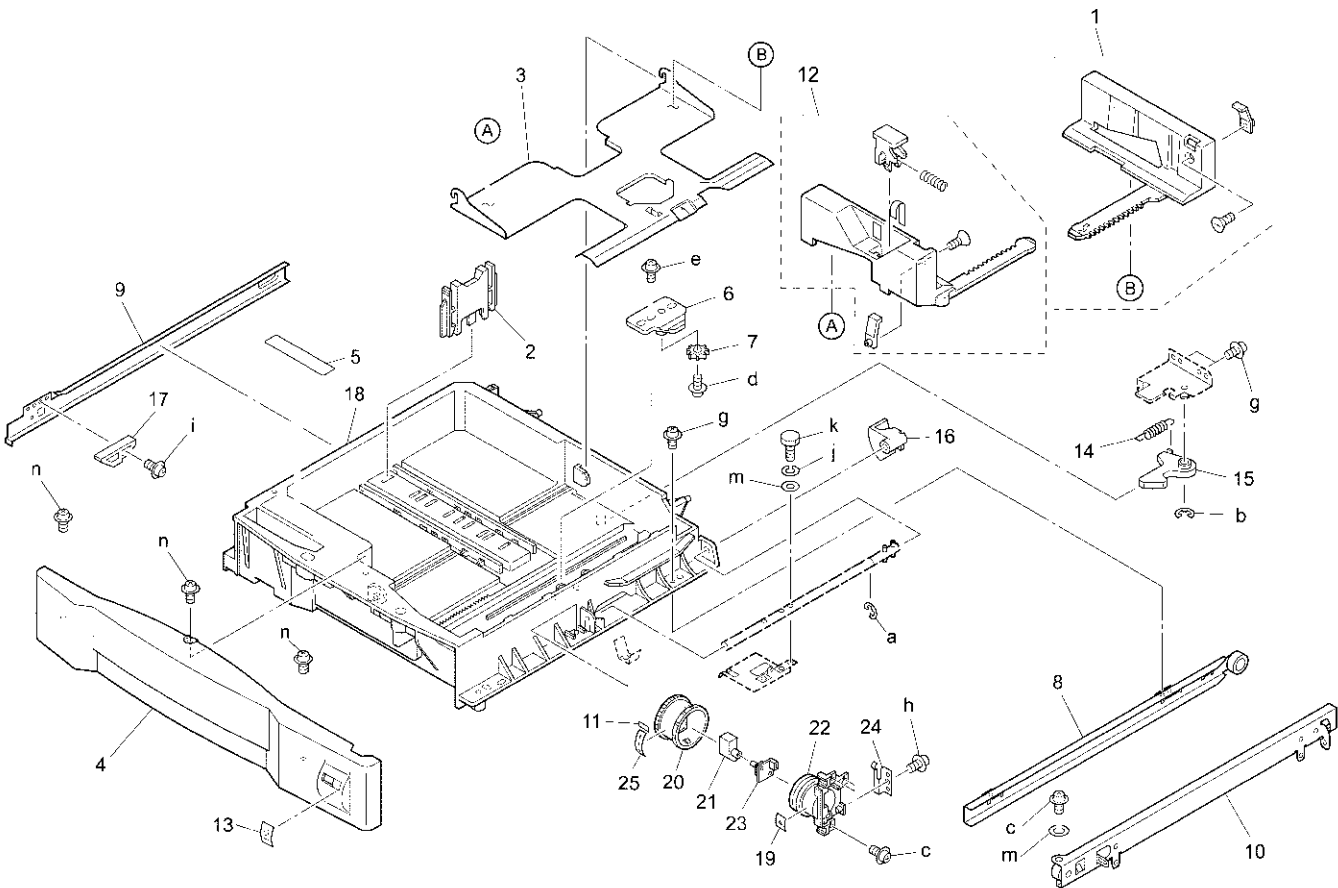
Upper Cassette



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4730	Side regulating/rear assembly
2	26NA47040	Paper regulating plate/left
3	26NA-4740	Lift-up bottom plate assembly
4	26WA47010	Cassette base/upper
5	26NA97390	Cassette indication label/1
6	40AA47130	Adjusting plate
7	40AA77290	Pinion (Z=16)
8	26NA-4721	Side regulating/front assembly
9	26NA47381	Fixing seal
10	26WA-4420	Cassette rail/2 assembly
11	26NA10070	Cassette rail/left
12	26WA-4410	Cassette rail/1 assembly
13	26NA97310	Paper supply label
14	26NA47390	Cassette fixed spring
15	25BA47461	Cassette positioning catch/U
16	26NA47291	Cassette remained detecting actuator
17	26NA47350	Cassette stopper
18	26WA47210	Cassette stay/upper
19	26NA97300	Cassette click label
20	26NA47260	Paper feed indication plate/front
21	26NA47240	Cassette detecting connector
22	26NA47250	Cassette detecting base
23	26NA-9200	Size detecting board assembly
24	26NA47280	Spring lock plate
25	26NE97280	Cassette indication label/upper

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z193061
d	00Z254081
e	00Z254121
g	00Z283061
h	00Z253081
i	00Z183061
j	00Z620301
k	00Z463103
m	00Z610301
n	00Z254101

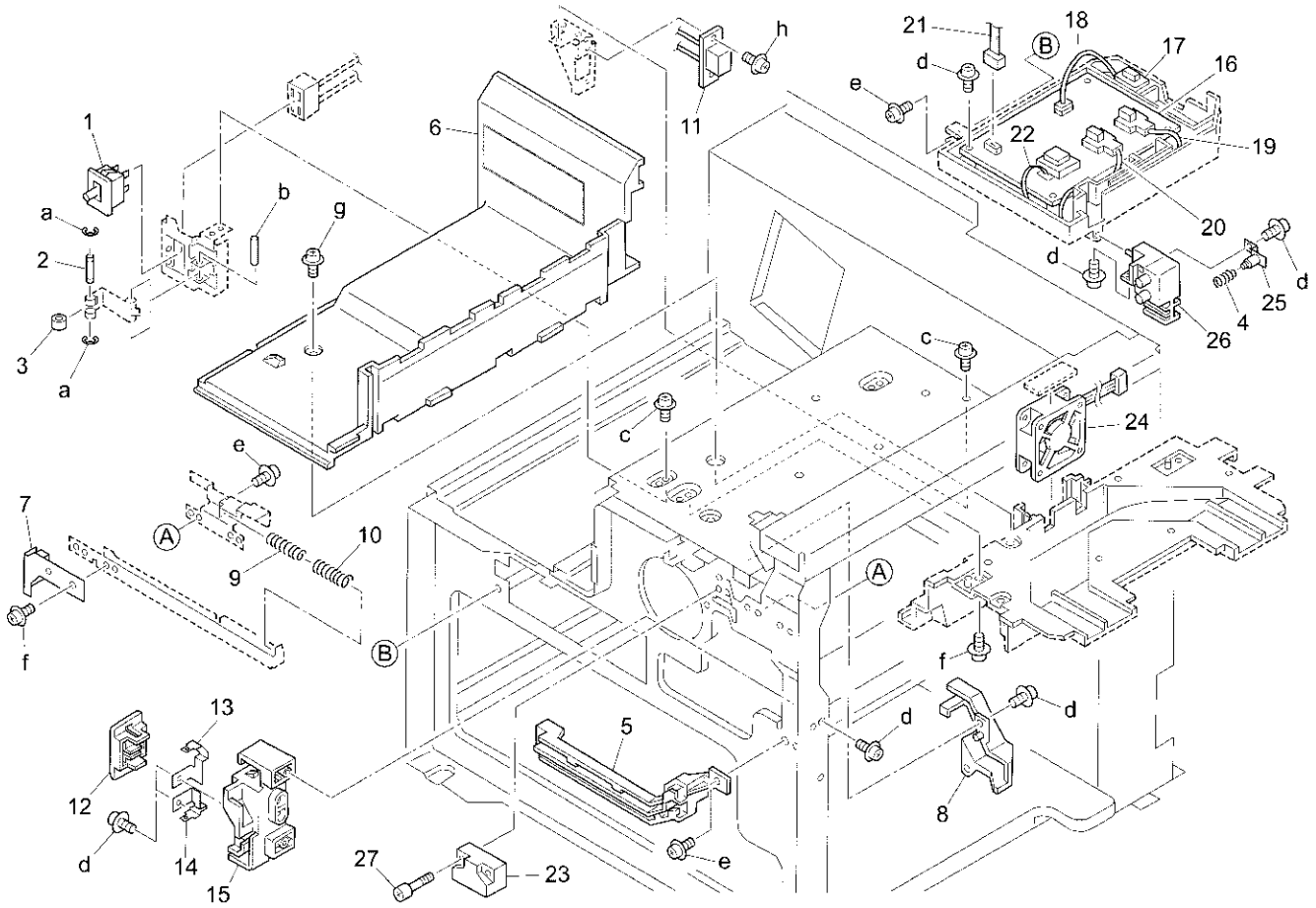
Lower Cassette



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4730	Side regulating/rear assembly
2	26NA47040	Paper regulating plate/left
3	26NA-4740	Lift-up bottom plate assembly
4	26WA47020	Cassette base/lower
5	26NA97310	Paper supply label
6	40AA47130	Adjusting plate
7	40AA77290	Pinion (Z=16)
8	26WA-4420	Cassette rail/2 assembly
9	26NA10070	Cassette rail/left
10	26WA-4410	Cassette rail/1 assembly
11	26NA47381	Fixing seal
12	26NA-4721	Side regulating/front assembly
13	26NA97400	Cassette indication label/2
14	26NA47390	Cassette fixed spring
15	25BA47461	Cassette positioning catch/U
16	26NA47291	Cassette remained detecting actuator
17	26NA47350	Cassette stopper
18	26WA47220	Cassette stay/lower
19	26NA97300	Cassette click label
20	26NA47260	Paper feed indication plate/front
21	26NA47240	Cassette detecting connector
22	26NA47250	Cassette detecting base
23	26NA-9200	Size detecting board assembly
24	26NA47280	Spring lock plate
25	26NE97290	Cassette indication label/lower

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z193061
d	00Z254081
e	00Z254121
g	00Z283061
h	00Z253081
i	00Z183061
j	00Z620301
k	00Z463103
m	00Z610301
n	00Z254101

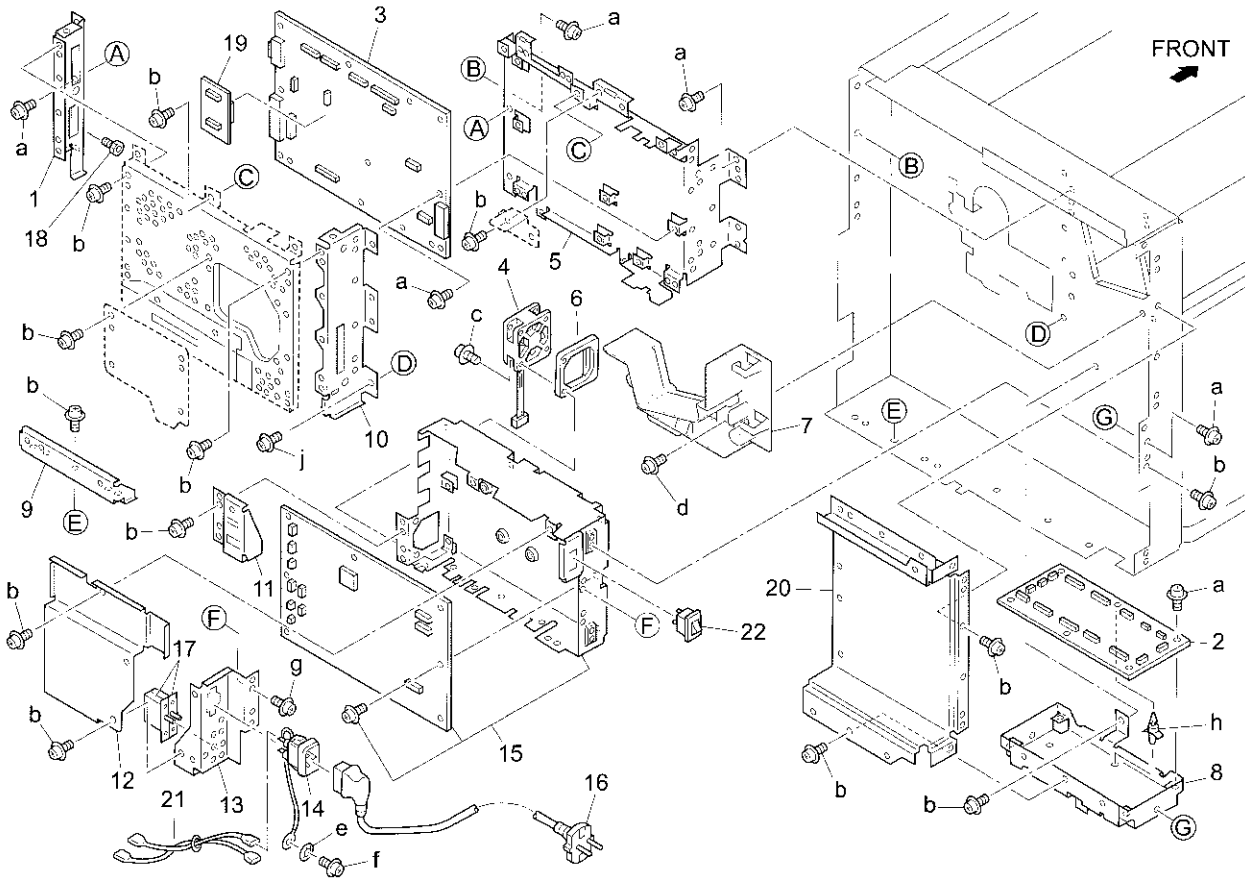
Electric Parts



REF. NO.	PART NUMBER	DESCRIPTION
1	40AA85010	Door switch
2	25HA73200	Switch guide shaft
3	25HA73210	Switch guide roller
4	26NA73251	Electrode connecting spring/A
5	26NA73200	Wiring support part
6	26NA73331	Fan cover
7	26NA73070	Switch pressure plate
8	26NA73061	Cord cover
9	25HA73131	Switch spring/B
10	25HA73121	Switch spring/A
11	26NA90060	Fixing relay wiring
12	26NA73500	High voltage cover plate/A
13	26NA73131	Connecting plate/A
14	26NA73471	Connecting plate/C
15	26NA73151	Contact support plate
16	26NA84011	High voltage power source
17	26NA88030	Sensor
18	26NA90320	Relay wiring/2
19	26NA90360	High voltage wiring/1
20	26NA90370	High voltage wiring/2
21	26NA90280	High voltage relay wiring
22	26NA90380	High voltage wiring/3
23	26TA90080	Drum relay wiring
24	26NA80510	Main fan motor
25	26NA-7510	High voltage connecting plate/B assembly
26	26NA73510	Contact support plate/B
27	066079020	Drawer

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z713206
c	00Z193041
d	00Z253081
e	00Z283061
f	00Z193061
g	00Z193062
h	00Z194081

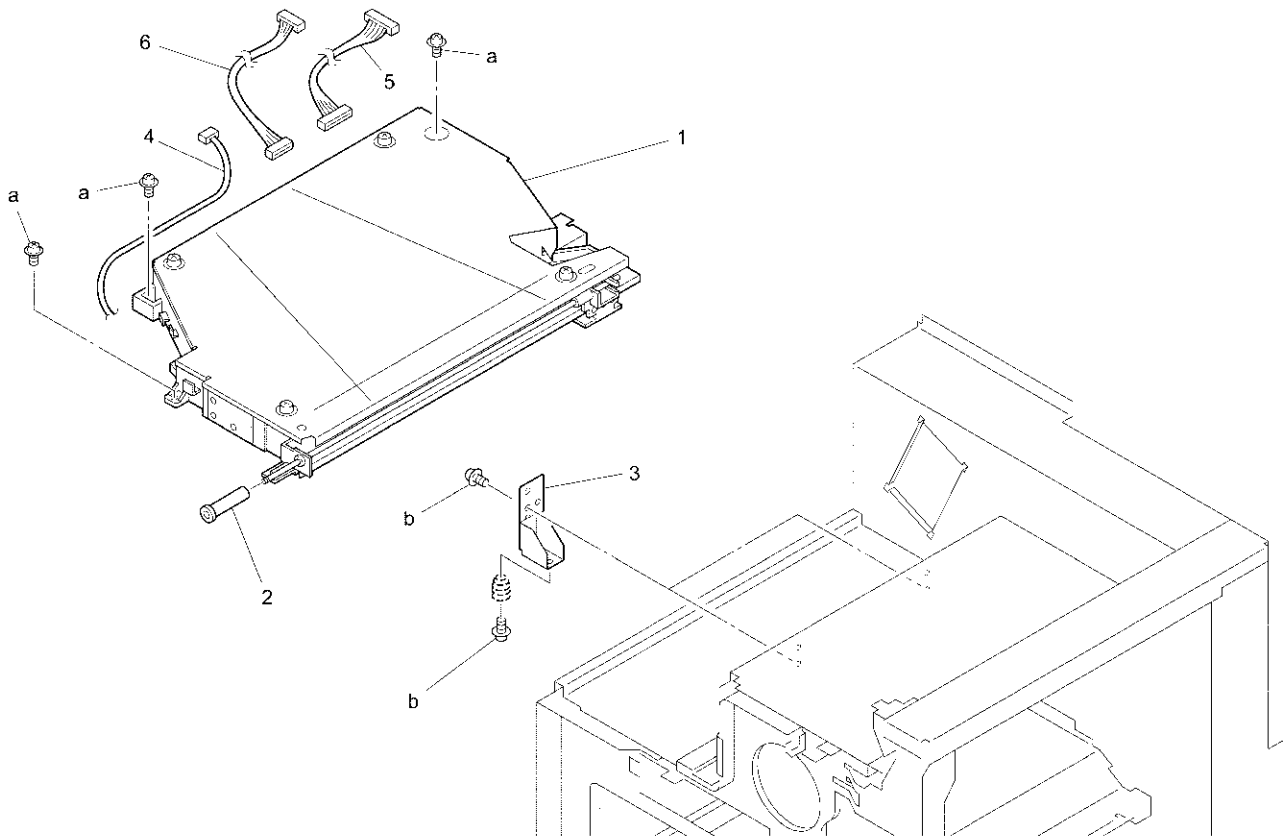
Electric Parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA73241	Board cover plate/B
2	26TA-9021	Main driving board assembly
3	26WA-9300	System control board unit (7022)
3	26XA-9300	System control board unit (7130)
4	26NA80510	Main fan motor
5	26NA73011	Board mount plate
6	26NA73610	Fan spacer
7	26NA73021	Protect cover
8	26NA73380	Board mount plate/B
9	26NA73420	Board mount plate/C
10	26NA73260	Board cover plate/C
11	26NA73290	Wiring mount plate/A
12	26NA73460	Power source cover plate
13	26NA73410	Cord mount plate
14	26NA-7520	Power socket assembly
15	26NA84511	DC power source/1
16	26NE88610	Power source cord
17	26NA88460	Circuit breaker
18	26NA73570	Contact fixing screw/A
19	26NA-9110	Parameter memory board assembly
20	26NA73280	Board cover/D
21	26NA90110	AC power source wiring
22	55GA86010	Power source switch

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193041
b	00Z193061
c	00Z193351
d	00Z283061
e	00Z630406
f	00Z184065
g	00Z164081
h	00Z925104
j	00Z183043

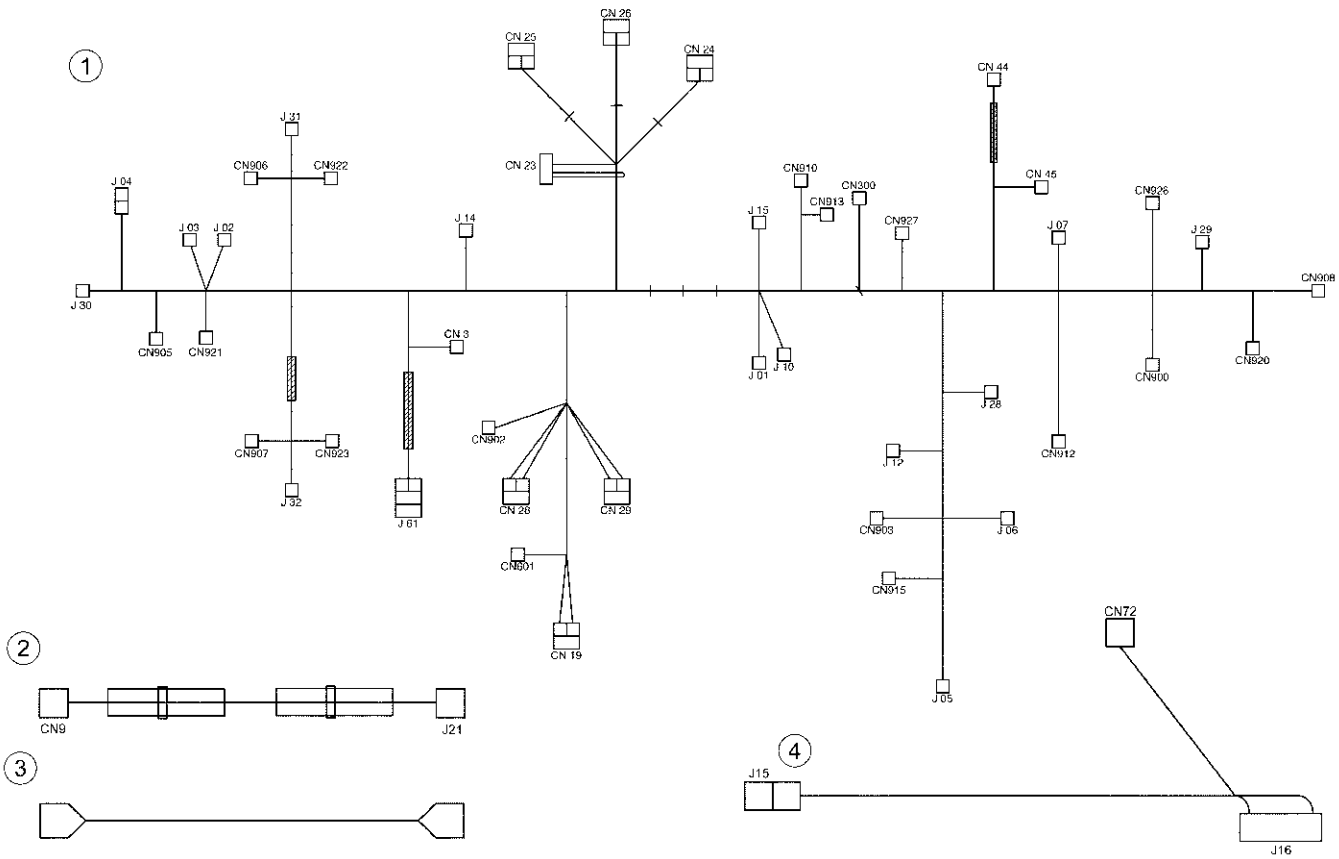
Writing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA-6500	Writing unit
2	26NA65260	Writing cleaner knob
3	26NA65280	Writing mount part
4	26NA90240	INDEX driving wiring
5	26NA90390	LD relay wiring/2
6	26NA90180	Polygon relay wiring

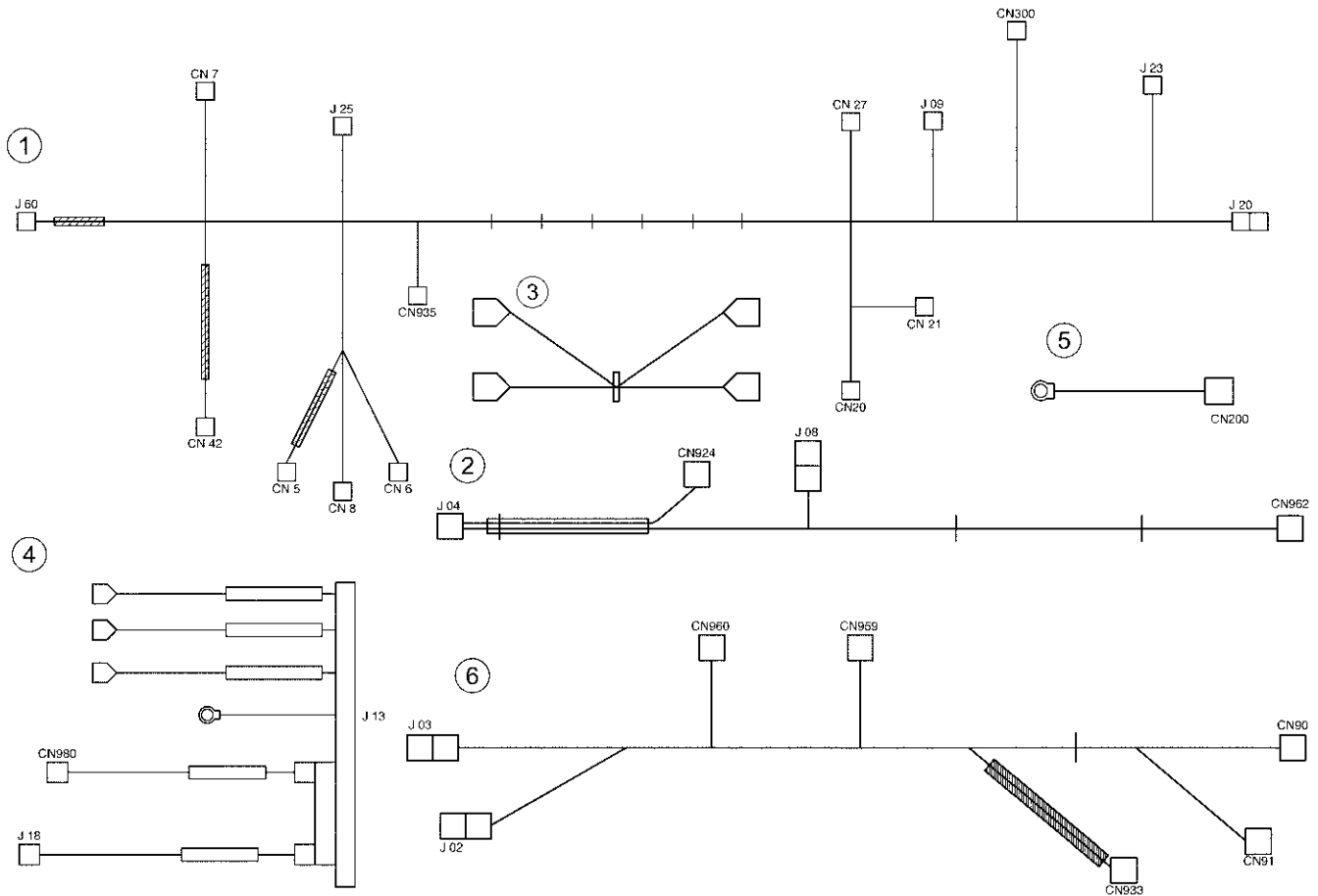
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z163101
b	00Z193061

Wiring



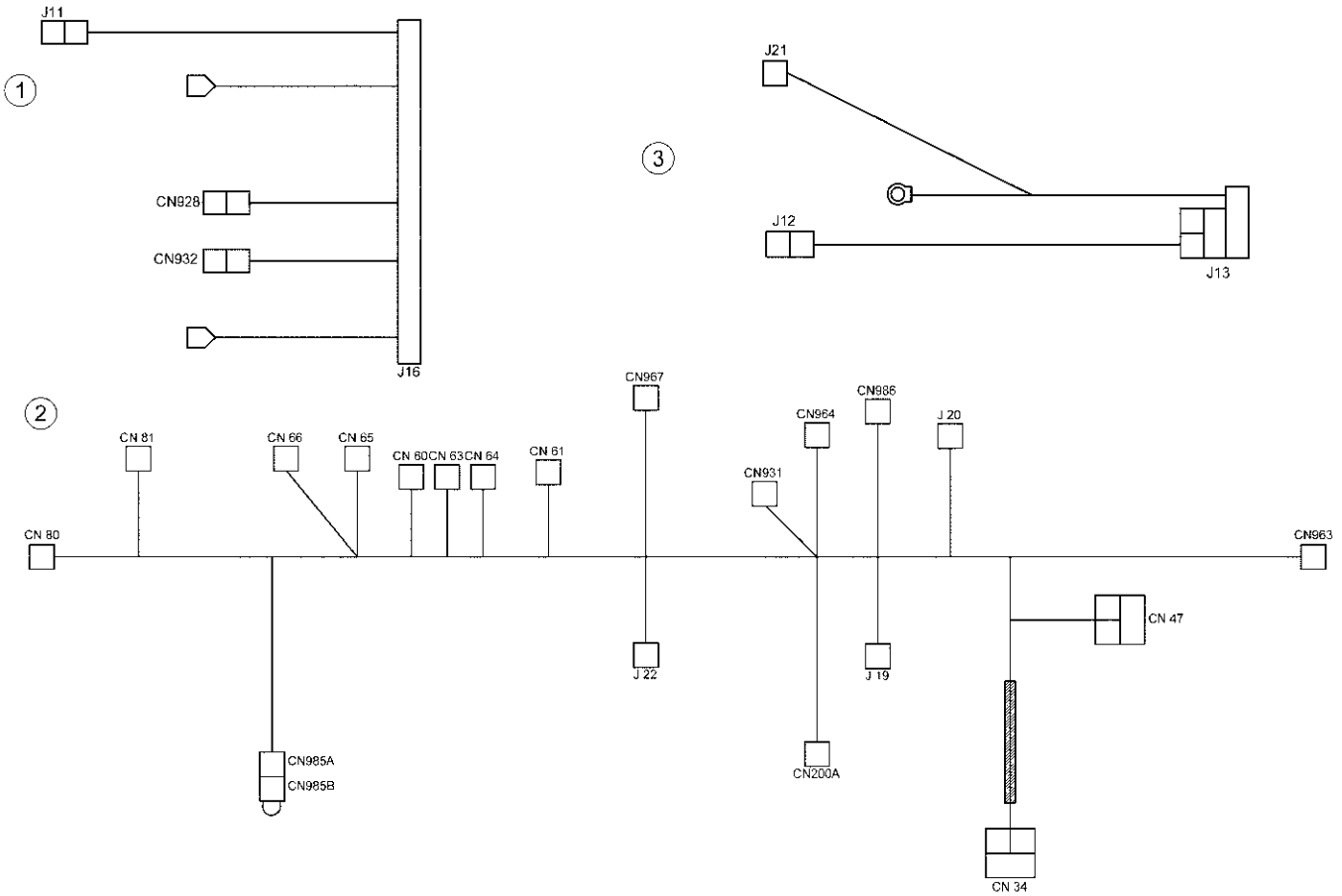
REF. NO.	PART NUMBER	DESCRIPTION
1	26WA90010	Main body wiring
2	26NA90021	Heater relay wiring
3	26NA90040	Fuse cord/1
4	26TA90080	Drum relay wiring

Wiring



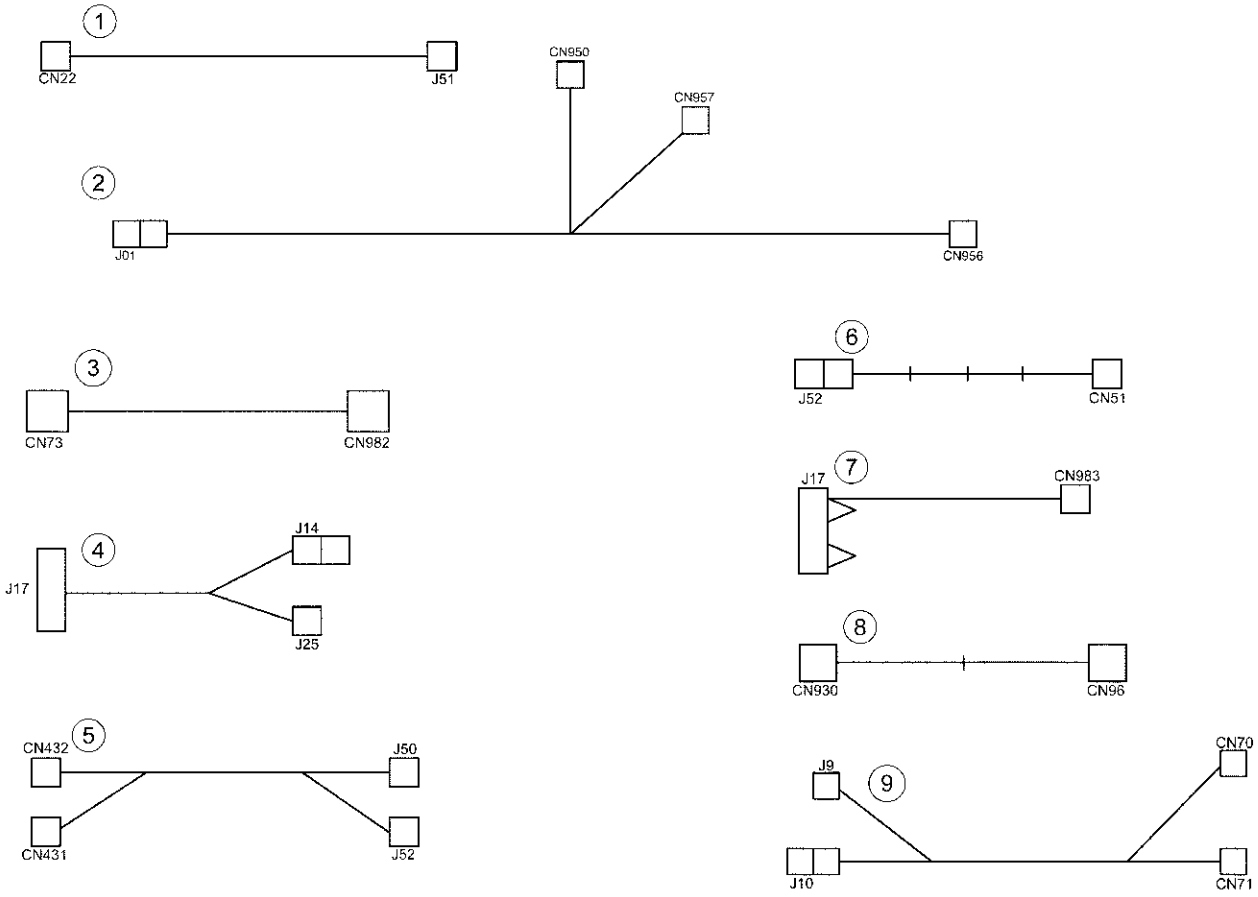
REF. NO.	PART NUMBER	DESCRIPTION
1	26WA90030	DC power source wiring
2	26WA90140	Bypass feed wiring
3	26NA90110	AC power source wiring
4	26WA90050	Fixing powering wiring
5	26NA90420	Option wiring/1
6	26WA90130	Paper feed wiring/lower

Wiring



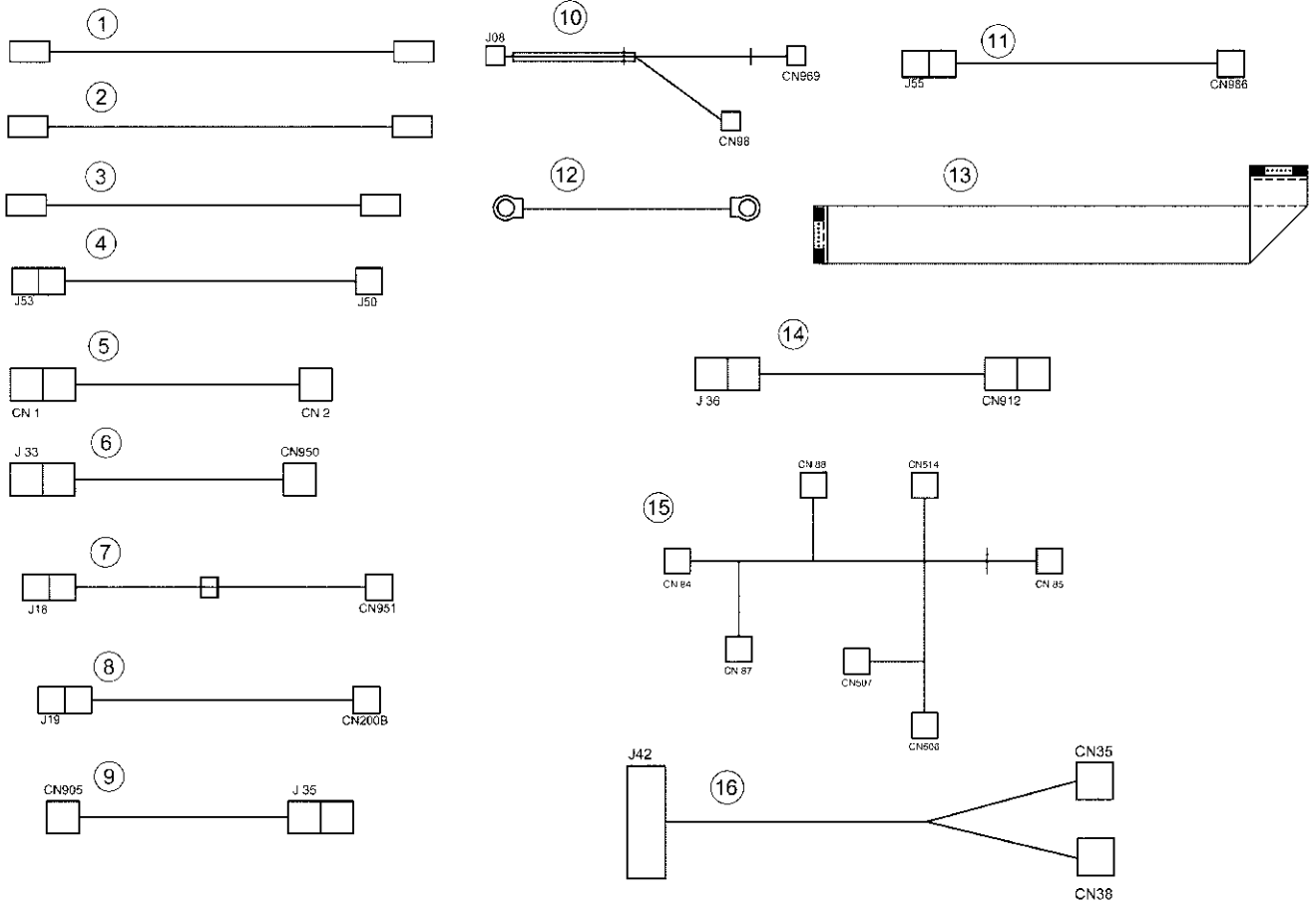
REF. NO.	PART NUMBER	DESCRIPTION
1	26TA90070	Drum wiring
2	26WA90090	Optics wiring
3	26NA90060	Fixing relay wiring

Wiring



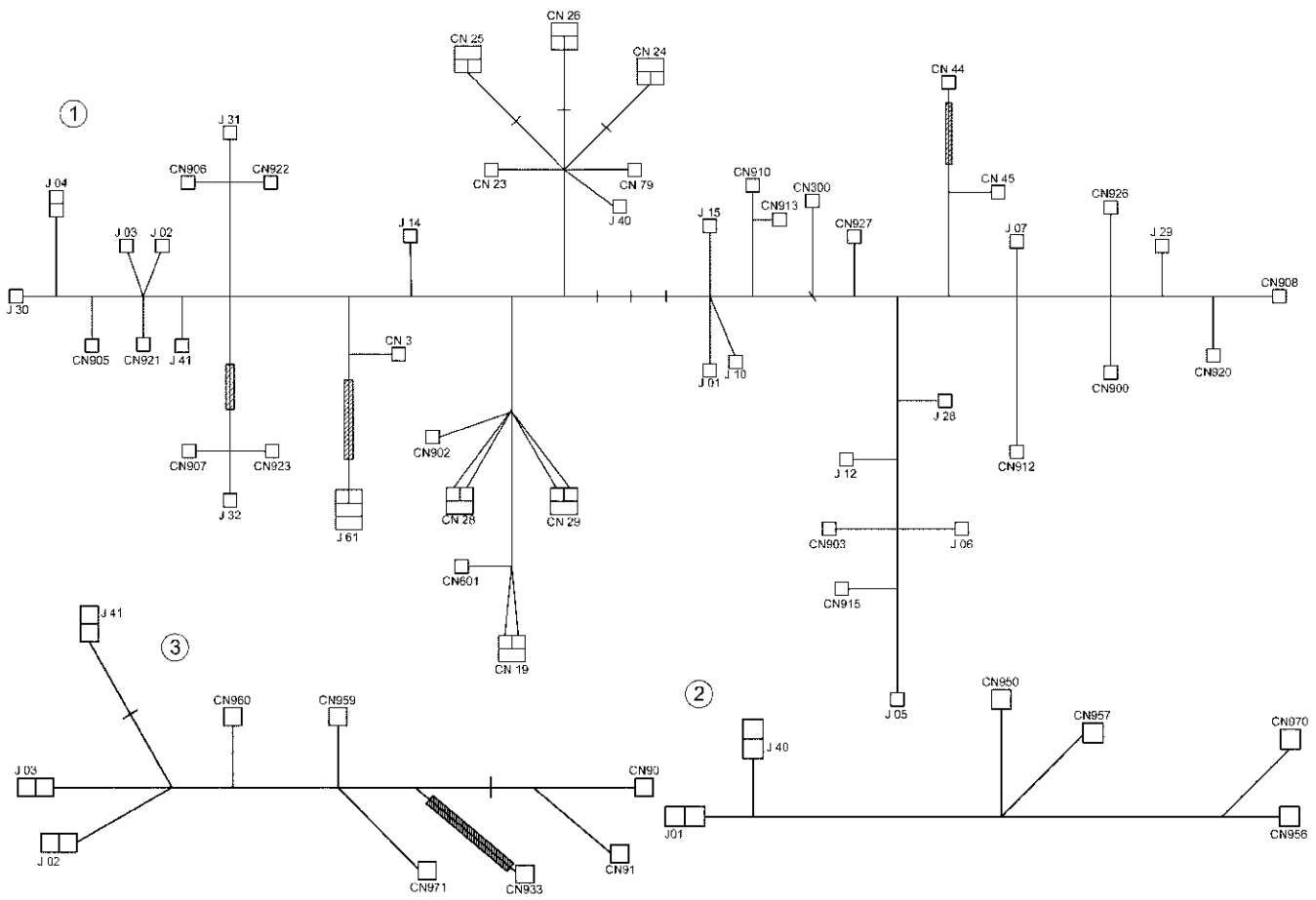
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90180	Polygon relay wiring
2	26WA90120	Paper feed wiring/upper
3	26NA90320	Relay wiring/2
4	26TA90340	Developing relay wiring
5	26NA90230	LD relay wiring/1
6	26NA90240	INDEX driving wiring
7	26TA90250	Development wiring
8	26NA90260	Lamp relay wiring
9	26NA90280	High voltage relay wiring

Wiring



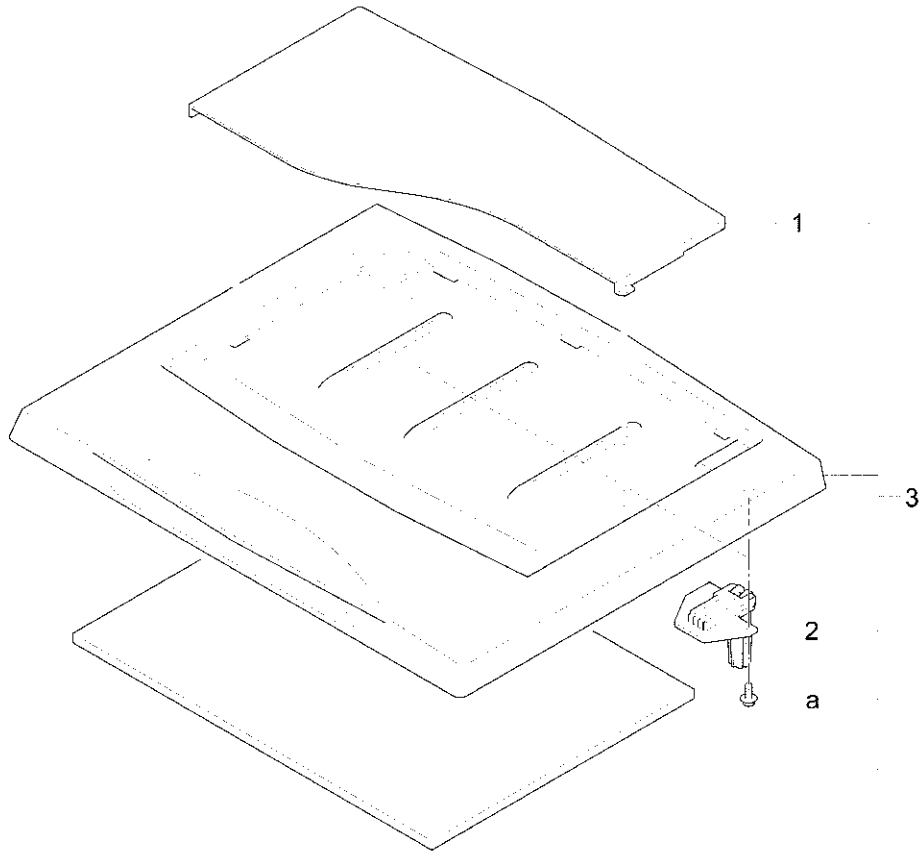
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90360	High voltage wiring/1
2	26NA90370	High voltage wiring/2
3	26NA90380	High voltage wiring/3
4	26NA90390	LD relay wiring/2
5	26WA90330	Sensor relay wiring /3
6	26WA90440	Registration relay wiring
7	26TA90490	Fixing relay wiring/2
8	26NA90430	Option relay wiring/2
9	26WA90520	Motor relay wiring
10	26NA90451	Bypass feed detecting wiring
11	26NA90460	Total counter relay wiring
12	26NA90470	Paper exit ground wiring
13	26NA90500	A/D wiring
14	26WA90530	Relay wiring/2
15	26WA90160	Operation unit wiring/2
16	26TA90520	Paper exit driving wiring

Wiring



REF. NO.	PART NUMBER	DESCRIPTION
1	26XA90010	Main body wiring
2	26XA90120	Paper feed wiring/upper
3	26XA90130	Paper feed wiring/lower

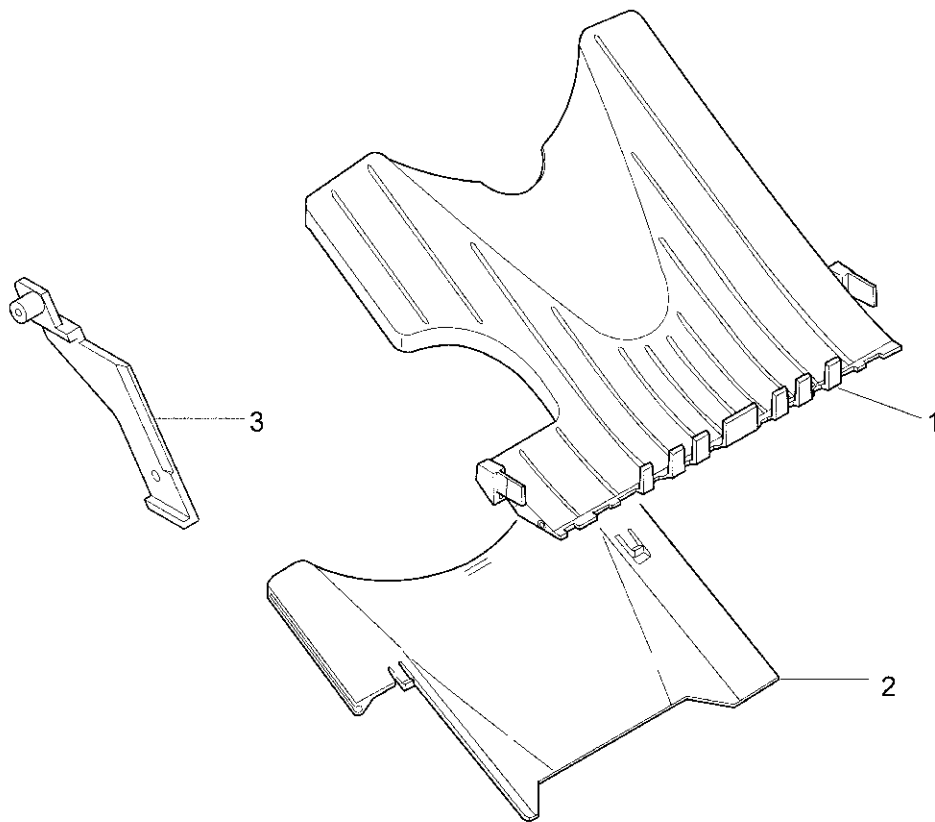
Platen Cover (CV-109)



REF. NO.	PART NUMBER	DESCRIPTION
1	13HL14070	Original cover/upper
2	13HL14040	Original cover hinge
3	13HL-1400	Original cover assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z254101

Finisher Output Tray (FT-107)



REF. NO.	PART NUMBER	DESCRIPTION
1	13GQ48010	Paper exit tray/A
2	13GQ48020	Paper exit tray/B
3	13GS10010	Support part

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PARTS CATALOG

**Models
7020/7025/7030**

DECEMBER 2000
CMPC-7020/7025/7030

KONICA BUSINESS TECHNOLOGIES, INC.

How to use this catalog

This parts catalog includes illustrations and part numbers for all replacement parts and assemblies used in this model.

Model-specific parts are identified in the illustrations with reference numbers. Use the reference number to locate the corresponding part number on the facing page.

Common hardware items, such as screws, nuts, washers, and pins, are identified in the illustrations with reference letters. Use the reference letter to locate the corresponding part number on the hardware listing in the lower right hand corner of the facing page.

If you know a part number, but don't know where the part is used, use the numerical index to determine the page number and reference number for that part. Because some common parts are used in several places, there may be more than one entry. Refer to the illustrations to see where the part may be used.

If you know a part's description, but don't know where to look to find the part number, use the alphabetical index to determine likely page and reference numbers. Then look at the illustrations to determine that you have identified the correct part. Locate the part number using the listing on the opposite page.

Retail pricing that appears with the numerical index, while valid when this catalog was printed, is subject to change without notice. The prices are only suggested prices and are provided only for reference. Dealers may determine their own selling prices. For up-to-date pricing, refer to current Konica price lists or contact the Konica Parts Distribution Center.

How to order parts

Use standard Konica parts ordering procedures to obtain these parts. For ordering options, contact Konica's Parts Distribution Center.

When ordering parts, be sure to specify part numbers exactly as listed in this catalog.

NOTE: Electrical parts may include previously used components.

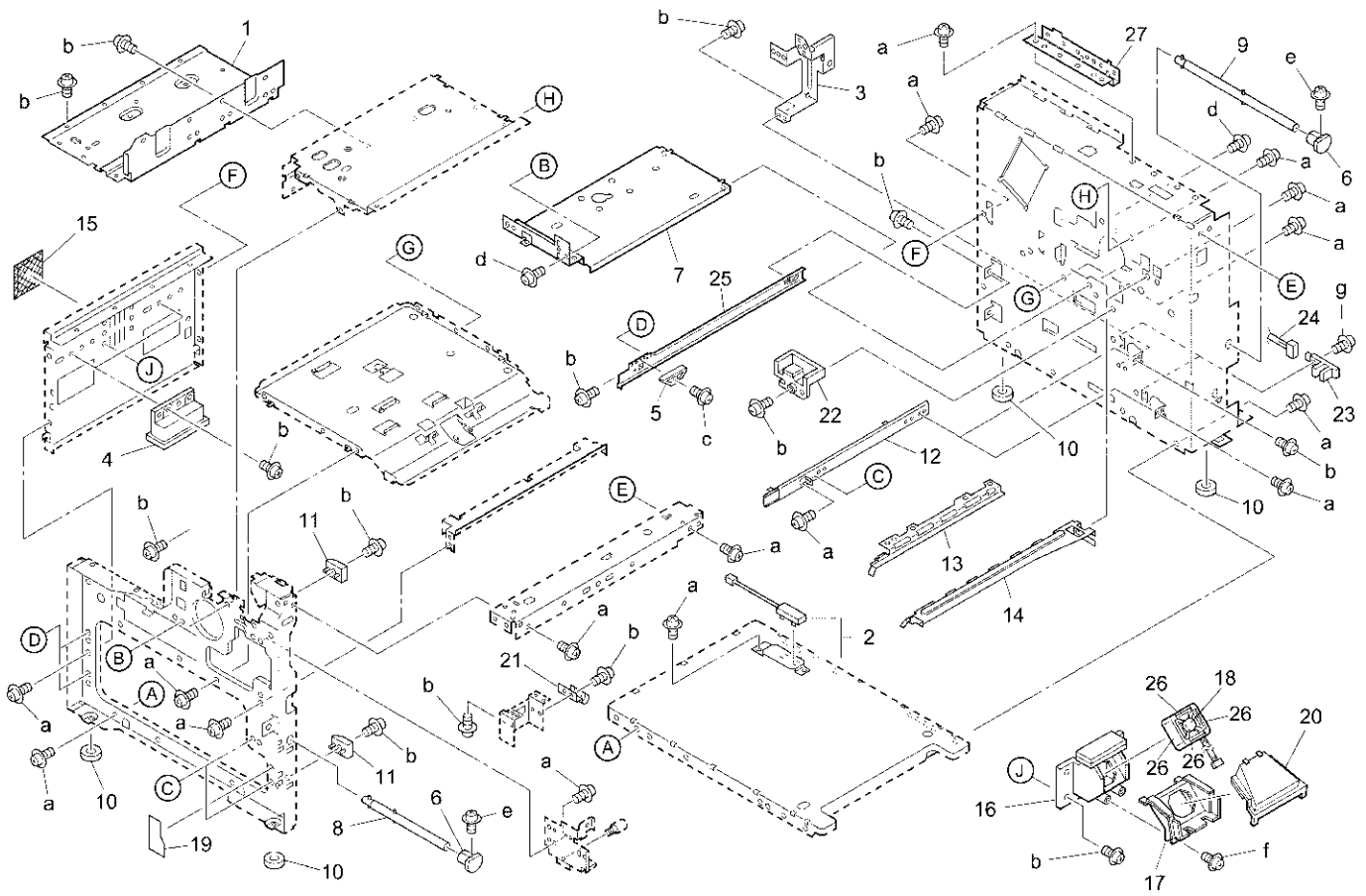
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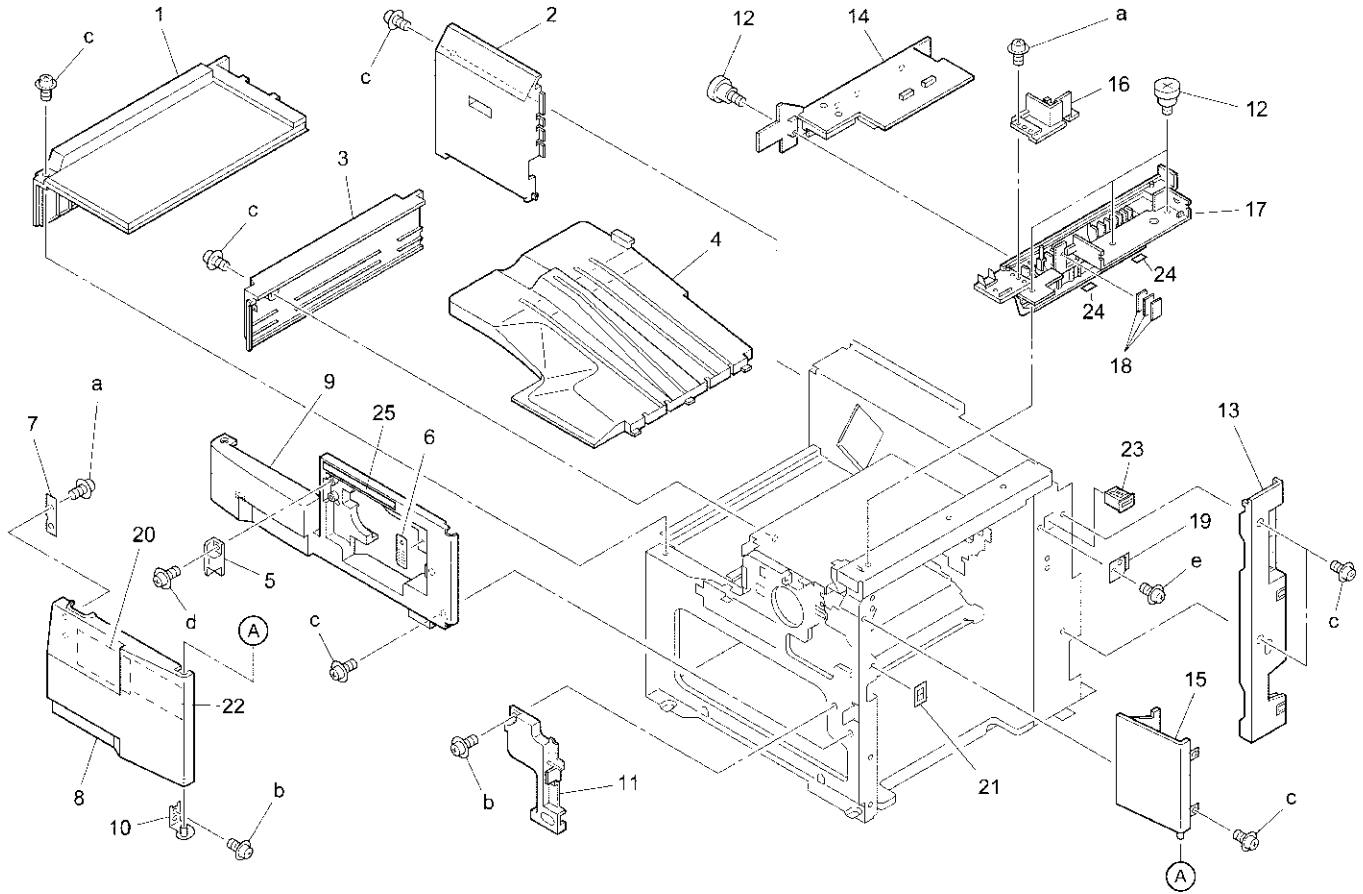
Main frame



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA10141	Writing cover
2	26NA-7560	Heater assembly
3	26NA10441	Shaft support plate
4	26NA12340	Lift-up knob
5	26NA47350	Cassette stopper
6	26NA10310	Lift-up cover
7	26NA10080	Writing support plate/right
8	26NA-1060	Lift up shaft/front assembly
9	26NA-1070	Lift up shaft/rear assembly
10	25HA10292	Main setting rubber
11	26NA10180	Lock plate
12	26NA10061	Cassette rail/right
13	26NA10350	Rail/left
14	26NA10360	Rail/right
15	26NA73680	Dust proof filter
16	26NA-7580	Cooling cover/A assembly
17	26NA-7590	Cooling cover/B assembly
18	26NA80510	Main fan motor
19	26NA73590	Insulating sheet/A
20	26NA-7600	Cooling cover/C assembly
21	40AA73360	Rear ground plate
22	26NA30791	Dust proof cover
23	552085510	Photosensor
24	26NA90330	Sensor relay wiring/3
25	26NA10070	Cassette rail/left
26	26NA73730	Dust proof seal/5
27	26NA73530	Electrode mount plate/1

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z283061
b	00Z193061
c	00Z183061
d	00Z163061
e	00Z183082
f	00Z253121
g	00Z193101

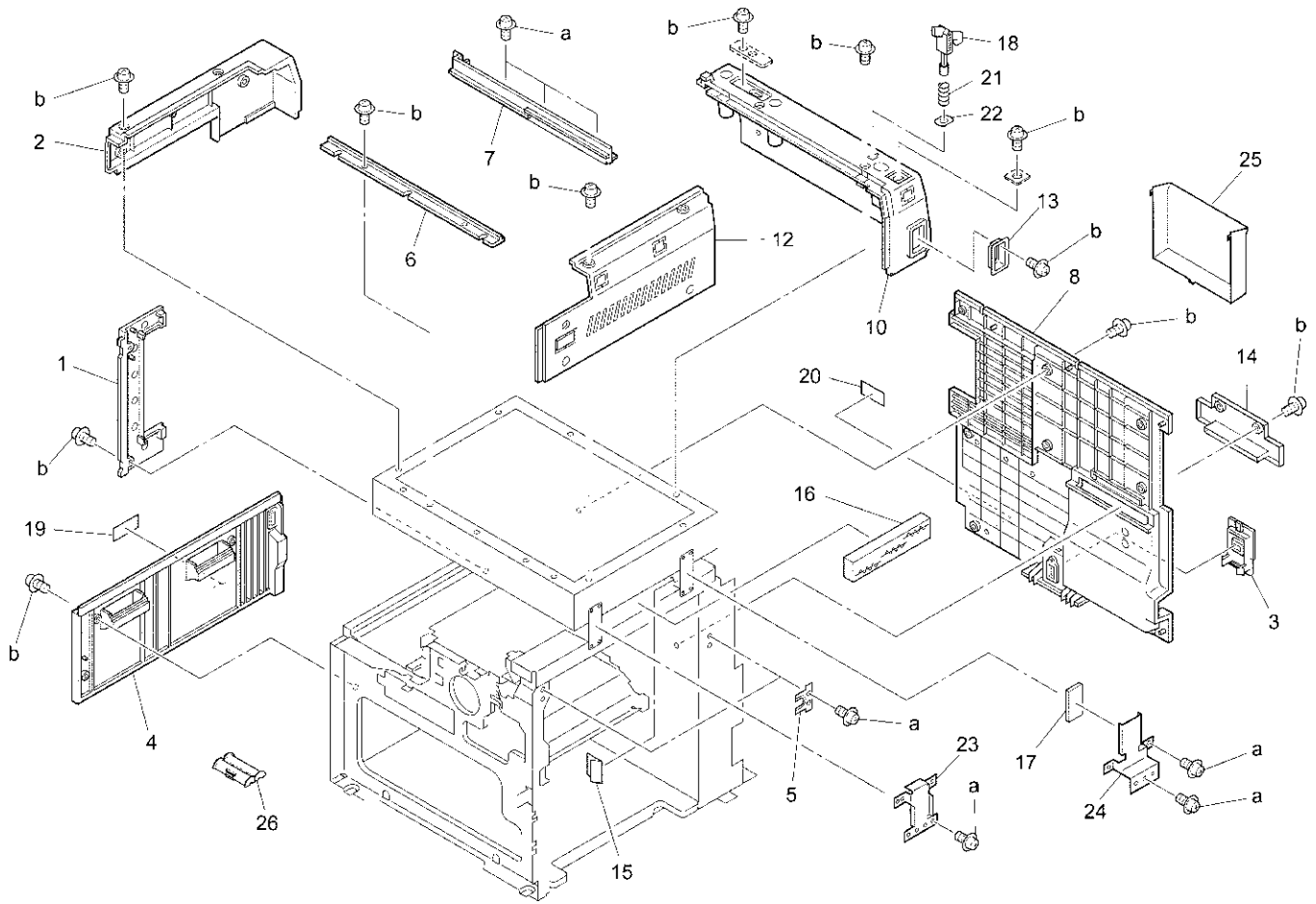
External parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12020	Main cover/upper
2	26NA12040	Side cover/rear
3	26NA12120	Main auxiliary cover
4	26NA12111	Paper exit tray
5	083020140	Stopper plate
6	26NE97181	Laser caution label/3
7	26NA12400	Magnet pressure plate
8	26NE12080	Front door/right
9	26NA12011	Main cover/front
10	26NA-1220	Fulcrum plate assembly
11	26NA12350	Cord cover/A
12	26NA12430	External fixed screw
13	26NA12030	Rear cover/right
14	26NA-1310	Paper exit cover assembly
15	26NE12132	Front cover/upper (7020)
15	26PE12131	Front cover/upper (7030)
15	26SF12131	Front cover/upper (7025)
16	26NA12460	Cover/F
17	26NA12061	Paper exit guide cover
18	26NA12520	Spacer/A
19	26NA12440	Side protection cover
20	26NA97040	Toner supply label
21	26NE97140	High voltage caution label
22	26NA97830	Toner supply label/2
23	26NE88310	Total counter
24	26NA51010	Conveyance guide sheet
25	26NE97820	Toner supply caution label

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z193061
c	00Z193062
d	00Z243081
e	00Z283061

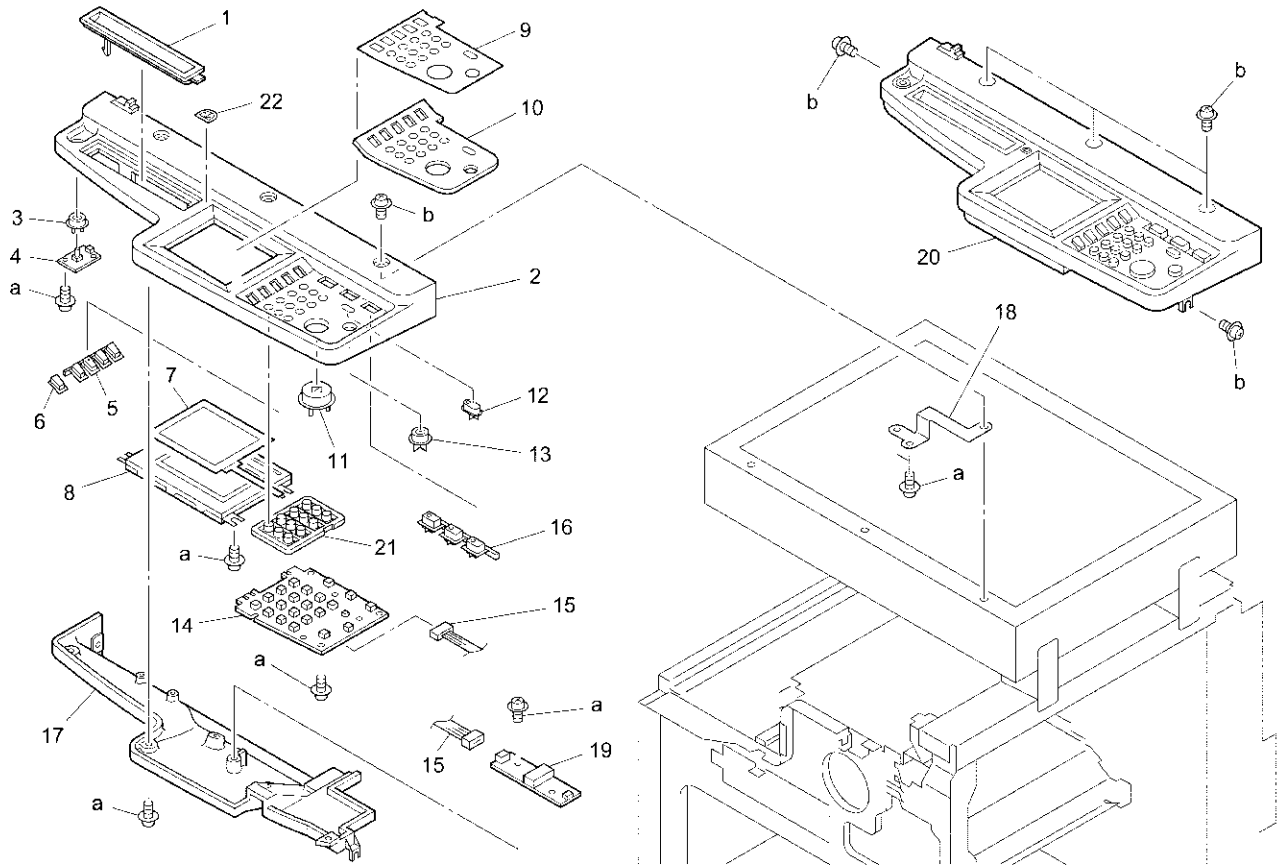
External parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12161	Rear cover/left
2	26NA12240	Reading cover/left
3	26NA12190	Cord cover/B
4	26NA12050	Side cover/left
5	26NA12420	Shaft guide cover
6	26NA12210	Reading cover/front
7	26NA12290	Reading cover/lower
8	26NA12071	Rear cover
9	*	Not used
10	26NA12231	Reading cover/rear
11	*	Not used
12	26NA-1260	Reading/right external assembly
13	26NA12450	Cord cover/B
14	26NA12180	Cord cover/A
15	26NA73780	Dust proof sheet/C
16	26NA10170	Ozone filter
17	26NA62290	Wiring hold plate/2
18	26NA61820	ADF detecting actuator
19	26NA97080	Laser indication label
20	26NE97070	Caution label
21	26NA62130	Detecting spring
22	26NA12550	Spring regulating sheet
23	26NA62110	Wiring guide plate/2
24	26NA62120	Wiring guide plate/3
25	26NA12540	Accessories holder panel
26	26NA10460	Stopper cover

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z193062

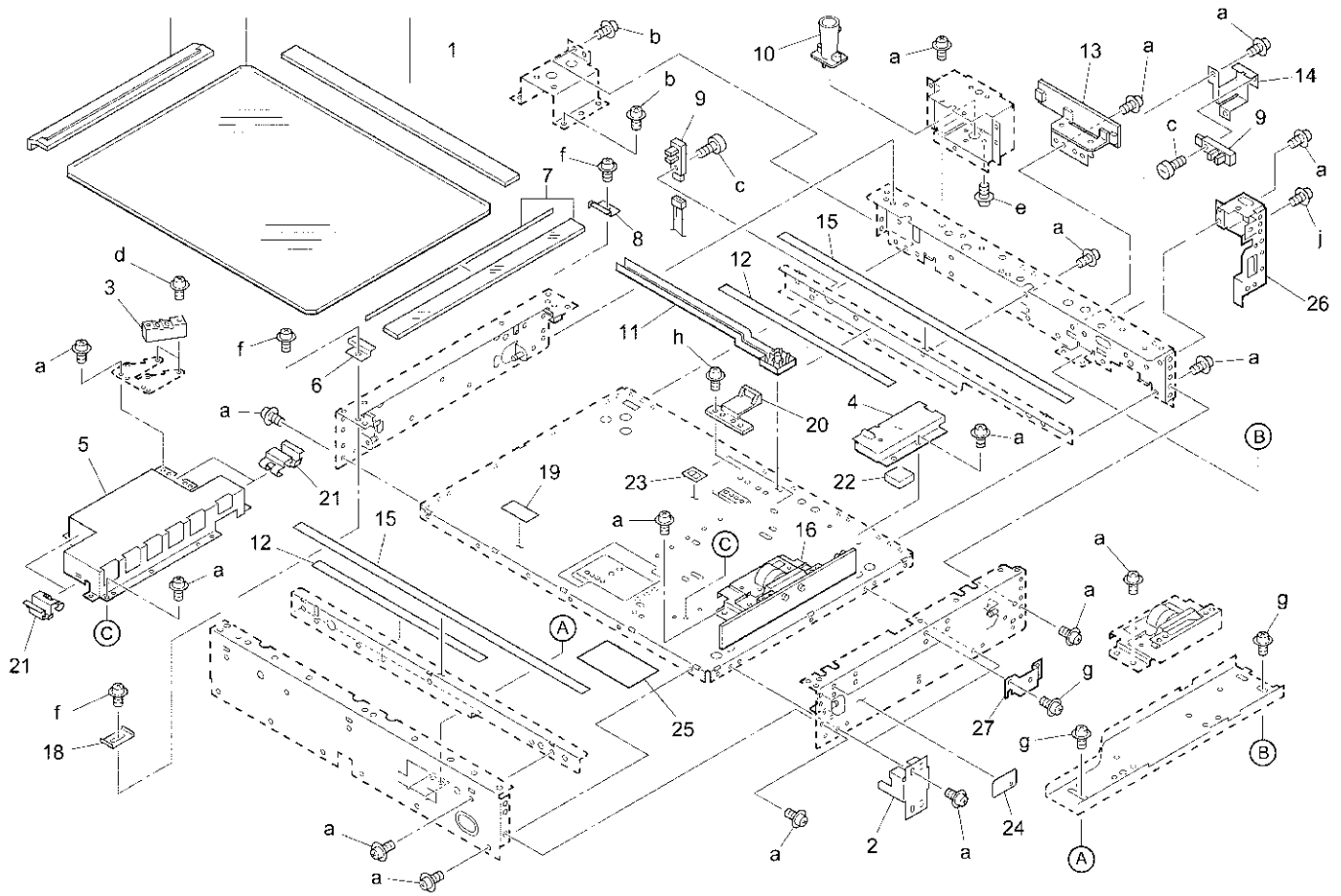
Operation unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12370	Operation tray
2	26NA70021	Operation unit cover/upper
3	26NA70180	Operation unit button/H
4	26NA-9060	Power source control switch
5	26NA70160	Operation unit button/F
6	26NA70171	Operation unit button/G
7	26NA87520	Touch key board
8	55FA-7020	Indication board assembly
9	26NE70041	Operation unit sheet
10	26NA70030	Operation unit cover
11	26NA70111	Operation unit button/A
12	26NA70130	Operation unit button/C
13	26NA70120	Operation unit button/B
14	26NA-9031	Operation board/1 assembly
15	26NA90160	Operation wiring/2
16	26NA70150	Operation unit button/E
17	26NA12220	Operation cover/lower
18	26NA70050	Operation unit ground plate/1
19	55FA83520	Indication lighting
20	26NE-7000	Operation unit
21	26NA70140	Operation unit button/D
22	26NA97130	Machine label/3

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z193062

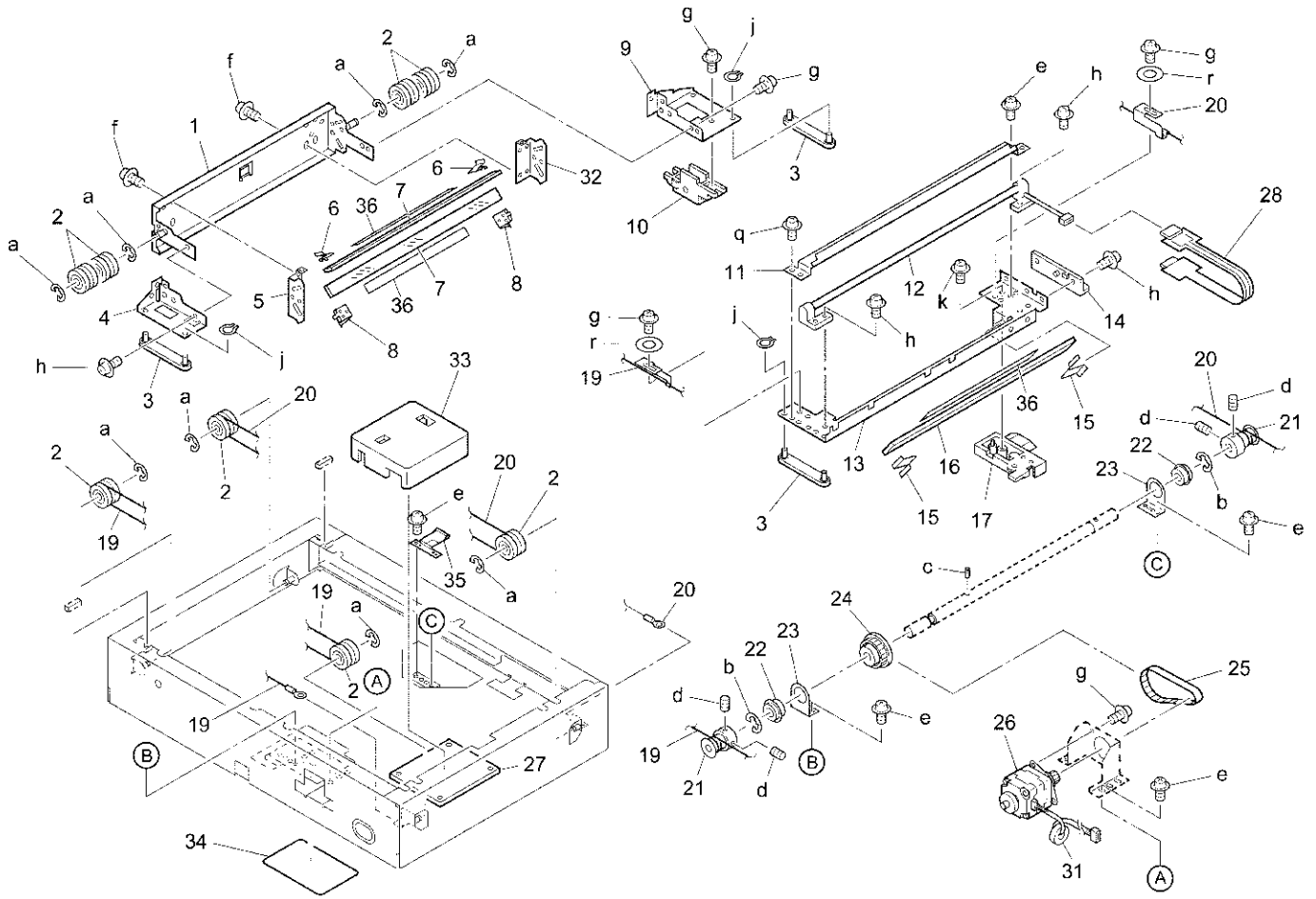
Optics unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-6272	Platen glass assembly
2	26NA62080	Reading support plate/right
3	25BA85530	APS sensor/2
4	26NA61810	Wiring guide plate/1
5	26NA61730	Lens cover
6	26NA61300	Glass holder plate/front
7	26NA-6282	Platen glass assembly/2
8	26NA61150	Glass holder plate/rear
9	552085510	Photosensor
10	26NA62050	ADF guide block
11	26NA62010	Wiring guide part/3
12	26NA61840	Optics slide sheet/2
13	26NA-6220	Board mount plate/2 assembly
14	26NA62140	Sensor mount plate/2
15	26NA61830	Optics slide sheet/1
16	26NA-6260	CCD unit
17	*	Not used
18	26NA62160	Glass holding plate
19	26NE97060	Optics caution label
20	26NA62170	Wiring regulating sheet
21	26NA62270	Ground spring
22	26NA62280	Wiring hold part/1
23	26NF97140	High tension caution label
24	26NA62201	Reading seal/2
25	26NA62220	Paper exit auxiliary sheet
26	26NA61120	ADF mount plate/right
27	26NA62210	Fixed plate

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z283061
c	00Z183101
d	00Z183201
e	00Z253081
f	00Z193043
g	00Z163081
h	00Z193041
j	00Z253061

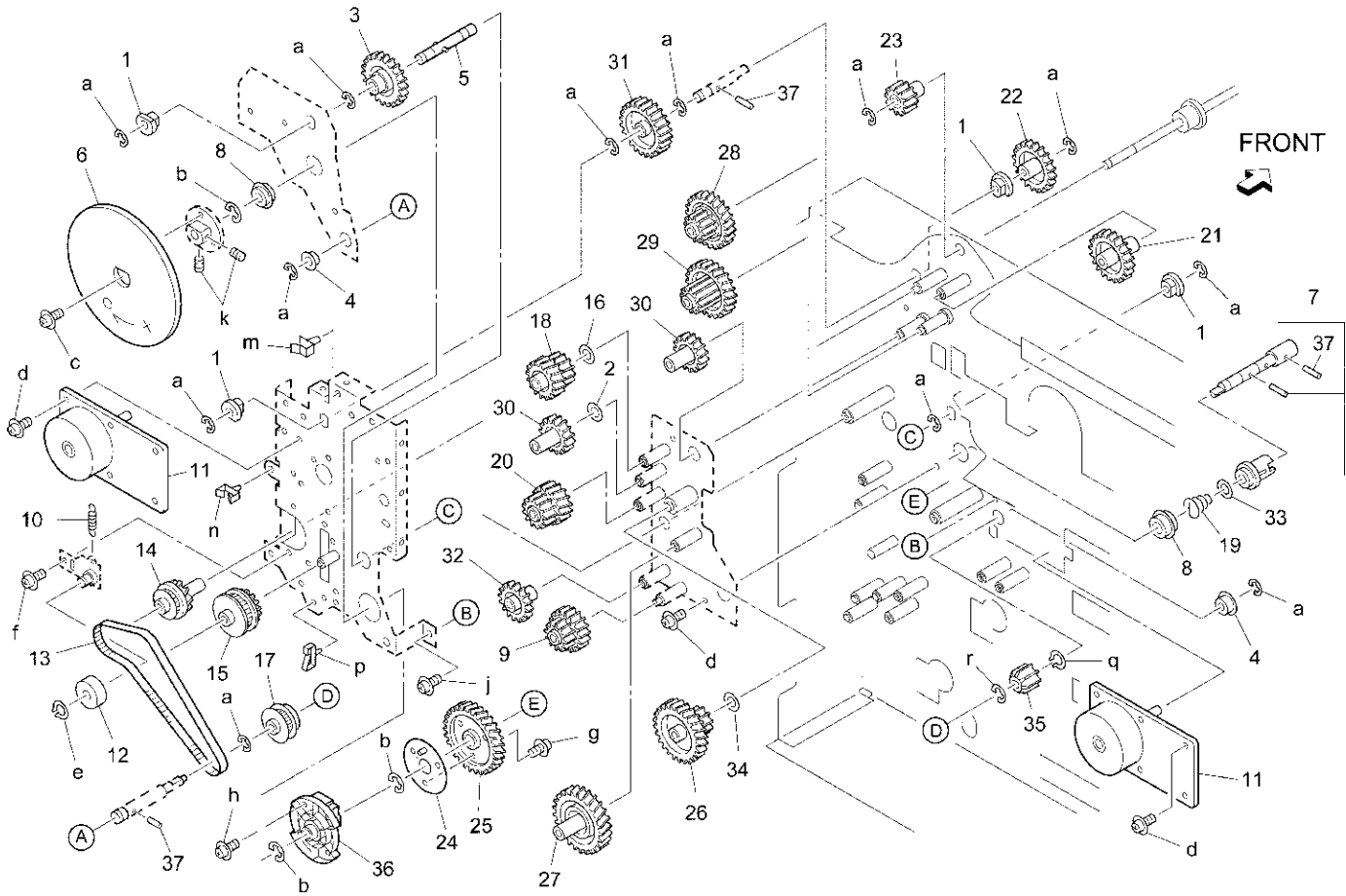
Optics unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-6191	Mirror mount plate/2 assembly
2	26NA61940	Wire pulley
3	26NA61380	Slide plate
4	26NA61560	Optics slide plate/front
5	26NA61530	Mirror support plate/front
6	26NA61610	Mirror pressure spring/4
7	26NA61540	Optics mirror/2
8	26NA61600	Mirror pressure spring/3
9	26NA61551	Optics slide plate/rear
10	26NA61590	Wiring guide part/2
11	26NA61370	Reflect mirror
12	26NA83010	Exposure lamp
13	26NA61310	Mirror mount plate/1
14	26NA62060	Mirror adjusting screw
15	26NA61410	Mirror pressure spring
16	26NA61340	Optics mirror/1
17	26NA61390	Wiring guide plate/1
18	*	Not used
19	26NA61221	Optics wire/front
20	26NA61211	Optics wire/rear
21	26NA61200	Wire driving pulley
22	540076050	Driving shaft holder
23	26NA61750	Pulley fixed plate
24	26NA61920	Driving pulley (Z=45)
25	26NA61930	Motor belt (L=148)
26	26NA80022	Optics driving motor
27	26NA-9052	Scanner driving board assembly
28	26NA-9510	Powering board assembly
29	*	Not used
30	*	Not used
31	580388410	Ferrite core
32	26NA62390	Mirror support plate/rear
33	26NA62240	Board cover
34	26NA62220	Paper exit auxiliary sheet
35	26NA62170	Wiring regulating sheet
36	26NA62441	Mirror reinforce plate/1

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z713186
d	00Z474063
e	00Z193041
f	00Z183101
g	00Z163061
h	00Z163081
j	00Z660306
k	00Z253061
q	00Z183031
r	00Z610421

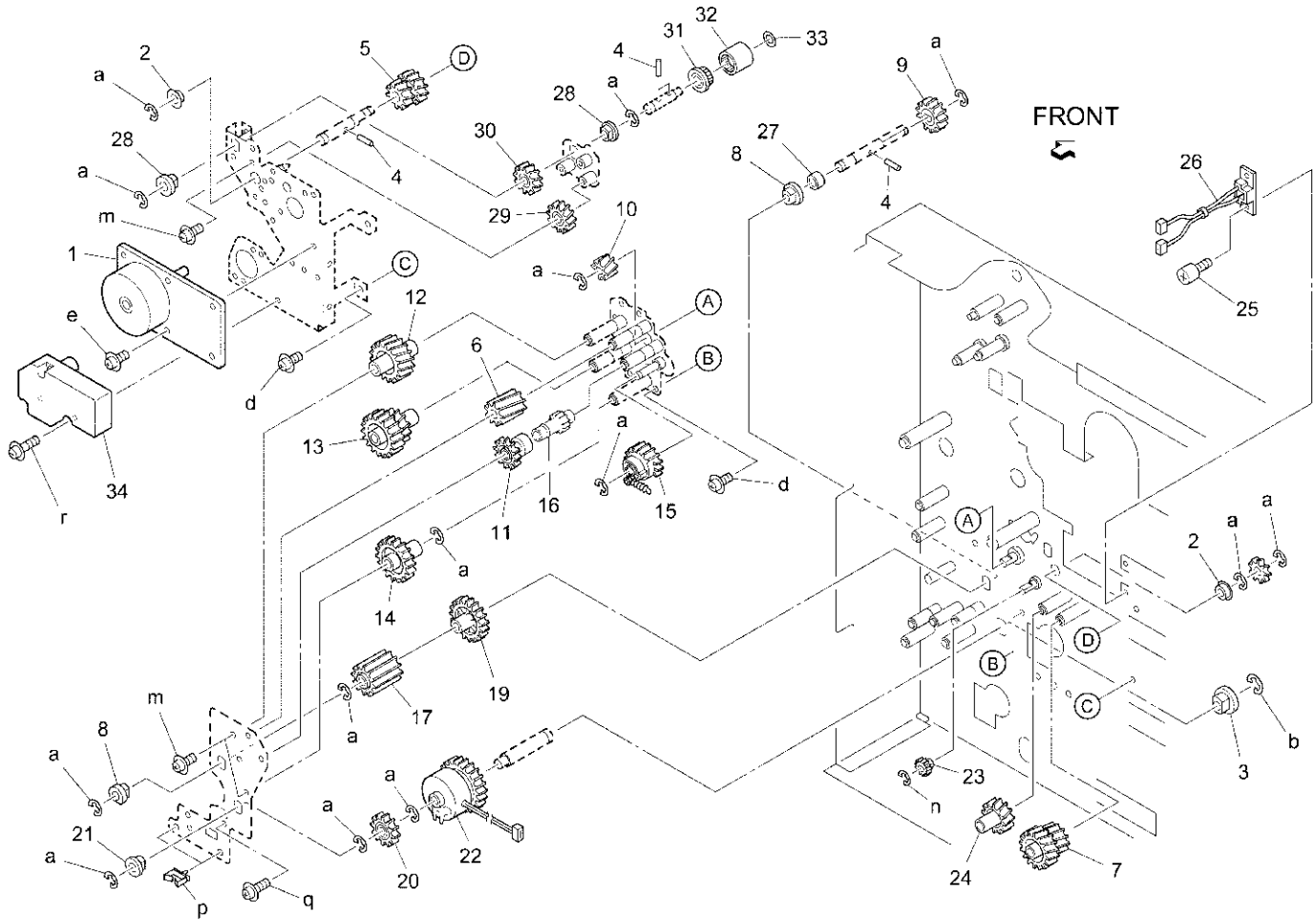
Driving unit



REF. NO.	PART NUMBER	DESCRIPTION
1	466076020	Paper feeding shaft holder
2	26NA17410	Driving spacer/2
3	26NA15690	Collecting gear (Z=54)
4	26NA17280	Developing drive shaft holder
5	26NA-1540	Collecting shaft assembly
6	26NA15031	Drum rotary plate
7	26NA-1531	Drum input shaft assembly
8	26NA53590	Fixing shaft holder/lower
9	26NA16150	Idler gear/D (Z=27/45)
10	26NA17270	Tension spring
11	26NA80010	Drum driving motor
12	540015162	Belt tension roller
13	26NA17140	Belt (Z=370)
14	26NA15550	Gear/F (Z=32/34)
15	26NA15680	Gear/Q (Z=23/23)
16	190041410	Polyslider
17	26NA15750	Agitating gear/A (Z=35)
18	26NA15520	Gear/C (Z=32/50)
19	26NA15200	Coupling spring
20	26NA15540	Gear/E (Z=32/35)
21	26NA17250	Gear/X (Z=45)
22	26NA15730	Gear/J (Z=38)
23	26NA15740	Paper exit gear (Z=26)
24	26NA-1560	Drive plate assembly
25	26NA15600	Drum driving gear (Z=108)
26	26NA15500	Gear/A (Z=26/97)
27	26NA15510	Gear/B (Z=97)
28	26NA15760	Gear/R (Z=21/50)
29	26NA15560	Gear/G (Z=24/49)
30	26NA15630	Gear/M (Z=34)
31	26NA15580	Gear/H (Z=55)
32	26NA16140	Idler gear/C (Z=35)
33	26NA30870	Spring spacer
34	26NA17400	Driving spacer/1
35	26NA17580	Agitating coupling/B
36	26NA-1570	Dumper plate assembly
37	113620600	Pin (A)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z163081
d	00Z193043
e	00Z680806
f	00Z163061
g	00Z193041
h	00Z253081
j	00Z193061
k	00Z474063
m	00Z926903
n	00Z921302
p	00Z921941
q	00Z600306
r	00Z670306

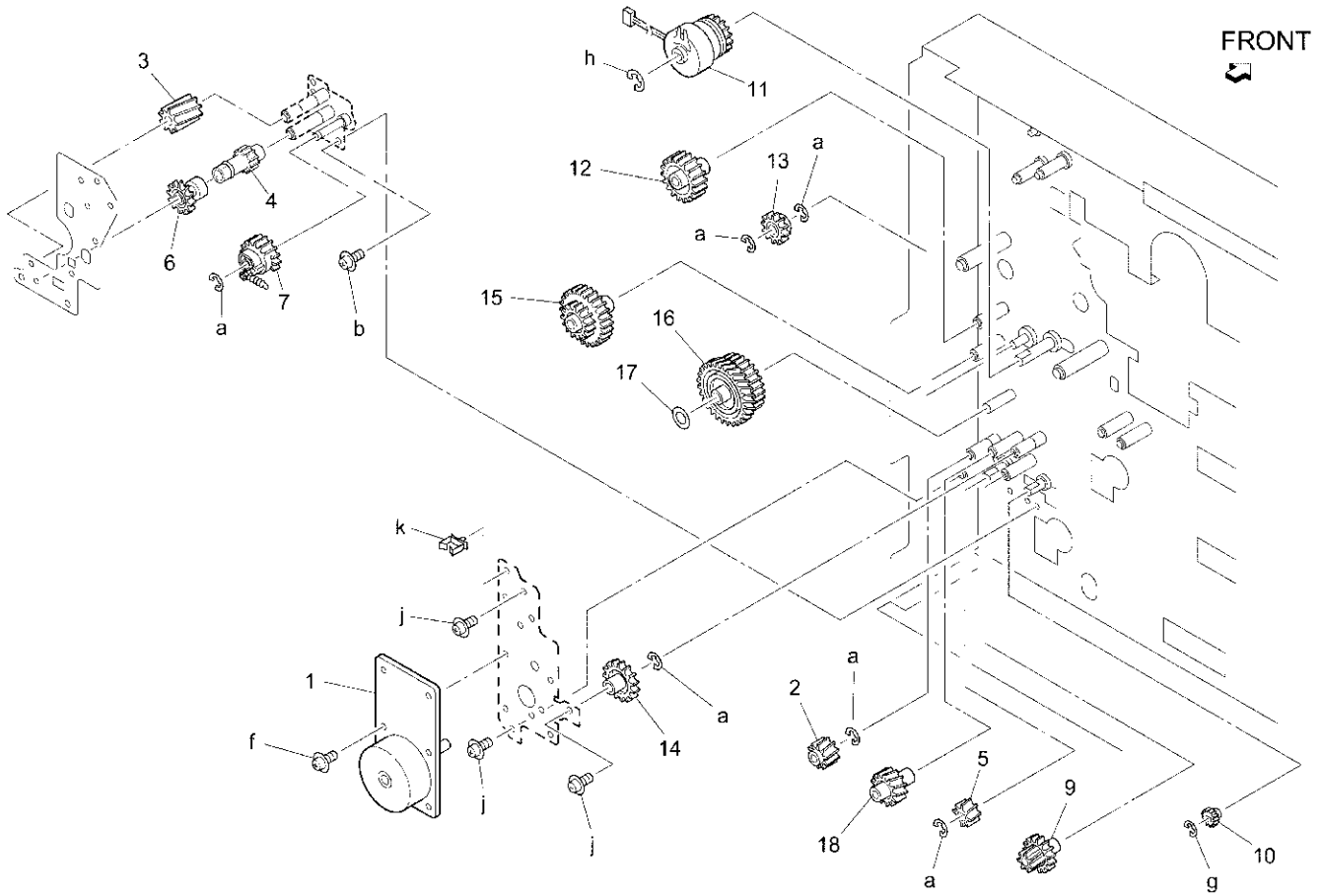
Driving unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA80010	Drum driving motor
2	26NA17280	Developing drive shaft holder
3	090075530	Bearing
4	113620600	Pin (A)
5	26NA17060	Developing drive gear/3 (Z=25)
6	26NA16270	Idler gear/L (Z=16)
7	26NA17040	Developing drive gear/1 (Z=23/52)
8	26NA76010	Paper feed shaft holder
9	26NA17600	Manual feed driving gear/2
10	26NA16260	Driving gear (Z=15)
11	26NA17480	Paper feed coupling gear/A (Z=25)
12	26NA16300	Idler gear/O (Z=35)
13	26NA16210	Idler gear/G (Z=21/35)
14	26NA16200	Idler gear/F (Z=41)
15	26NA-1680	Paper feed gear/2 assembly
16	26NA17490	Paper feed coupling gear/B (Z=20)
17	26NA16160	Manual feed driving gear/1 (Z=25)
18	*	Not used
19	26NA16170	Idler gear/E (Z=45)
20	26NA16190	Gear (Z=25)
21	684276031	Paper exit shaft holder
22	26NA82020	Paper feed clutch
23	26NA16310	Paper feed gear (Z=15)
24	26NA17050	Developing drive gear/2 (Z=27)
25	066079020	Drawer
26	26NA90340	Developing relay wiring
27	26NA50980	Conveyance spacer
28	322076010	Paper lift-up lever shaft holder
29	26NA17550	Developing drive gear/7
30	26NA17540	Developing drive gear/6
31	26NA17560	Developing input coupling/A
32	26NA17570	Developing input coupling/B
33	26NA17590	Spacer/B
34	26NA80041	Cassette driving motor

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
d	00Z283061
e	00Z193043
m	00Z193061
n	00Z670306
p	00Z921322
q	00Z193181
r	00Z193121

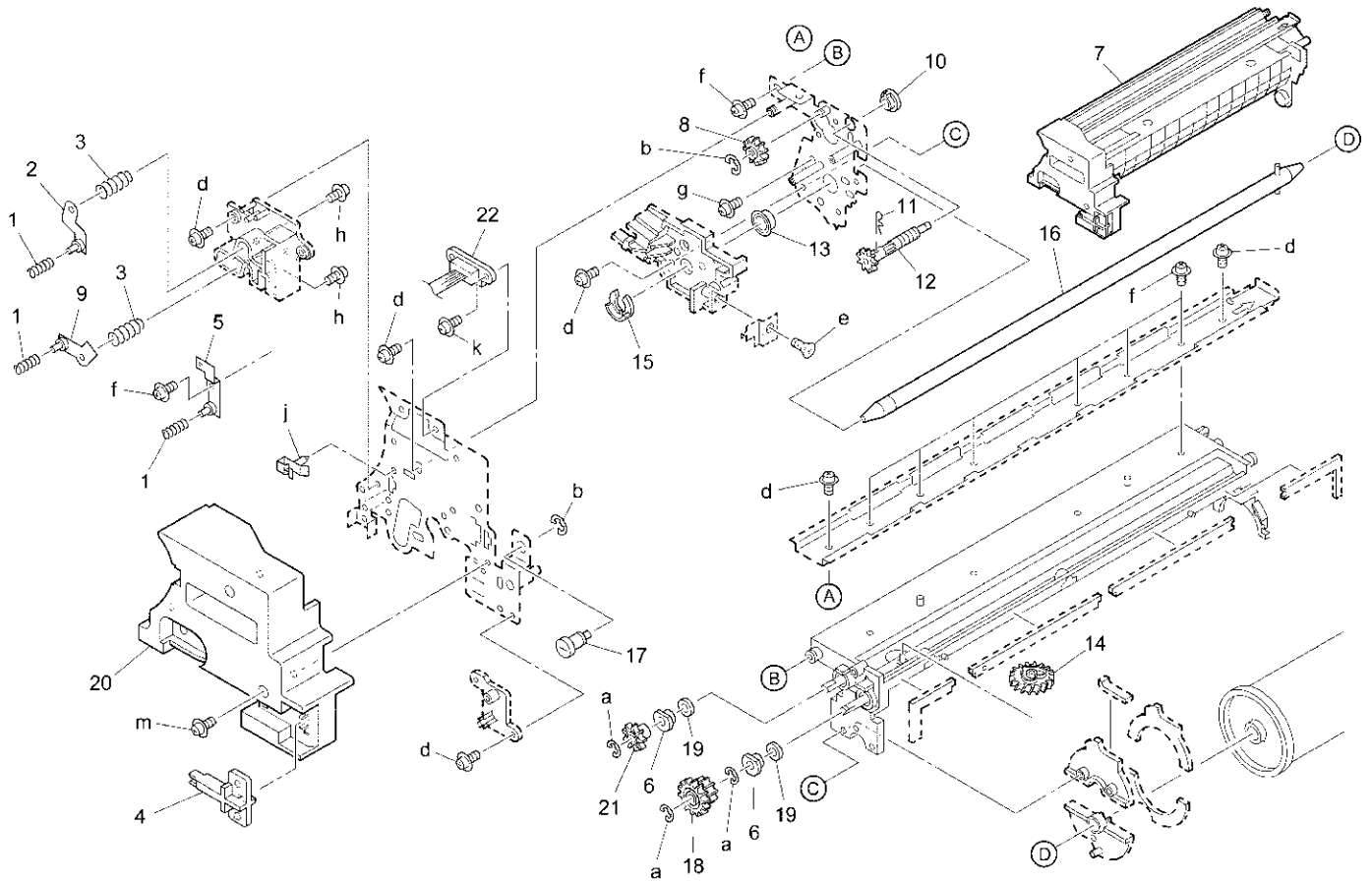
Driving unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA80010	Drum driving motor
2	26NA16250	Idler gear/K (Z=20)
3	26NA16270	Idler gear/L (Z=16)
4	26NA17490	Paper feed coupling gear/B (Z=20)
5	26NA16260	Driving gear (Z=15)
6	26NA17480	Paper feed coupling gear/A (Z=25)
7	26NA-1690	Paper feed gear/3 assembly
8	*	Not used
9	26NA16230	Idler gear/I (Z=15/25)
10	26NA16310	Paper feed gear (Z=15)
11	26NA82010	Resist clutch
12	26NA16120	Idler gear/B (Z=43)
13	26NA16130	Clutch gear/1 (Z=27)
14	26NA16220	Idler gear/H (Z=33)
15	26NA16110	Idler gear/A (Z=27/54)
16	26NA17260	Paper feed driving gear (Z=52/97)
17	190041410	Polyslider
18	26NA16240	Idler gear/J (Z=25)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z283061
f	00Z193043
g	00Z670306
h	00Z670506
j	00Z193061
k	00Z921322

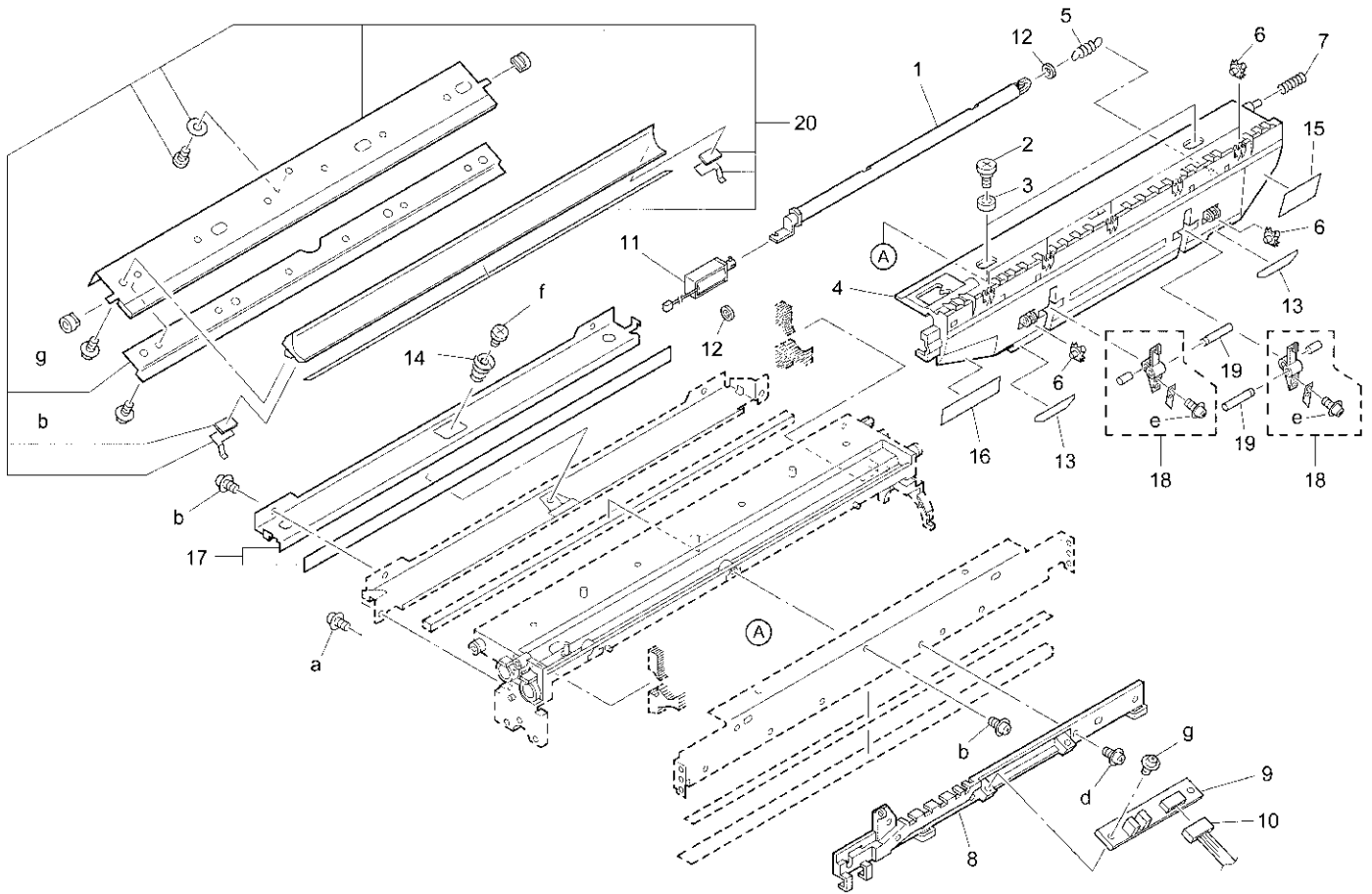
Drum carriage



REF. NO.	PART NUMBER	DESCRIPTION
1	392045260	Electrode connecting spring(B)
2	26NA-2220	Charging electrify plate/B assembly
3	40AA73191	Charging input spring
4	26NA21340	Drum rotary plate
5	26NA-2230	Developing electrify plate assembly
6	26NA20140	Screw shaft holder
7	26NA-9900	Drum unit assembly
8	26NA20420	Idler gear (Z=25)
9	26NA-2210	Charging electrify plate/A assembly
10	26NA20380	Rocking shaft holder
11	26NA20920	Shaft fixed pin
12	26NA20570	Separation rocking gear (Z=18)
13	26NA21360	Drum support shaft holder
14	26NA20580	Separation rocking cam
15	26NA20940	Drum support plate
16	26NA-2140	Drum shaft assembly
17	26NA21440	Cartridge screw
18	26NA20170	Agitating gear (Z=19/30)
19	26NA20710	Felt/A
20	26NA20350	Cartridge cover/front
21	26NA20160	Screw gear (Z=24)
22	26NA90070	Drum wiring

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
d	00Z193061
e	00Z263081
f	00Z253081
g	00Z253121
h	00Z183061
j	00Z921913
k	00Z193081
m	00Z193043

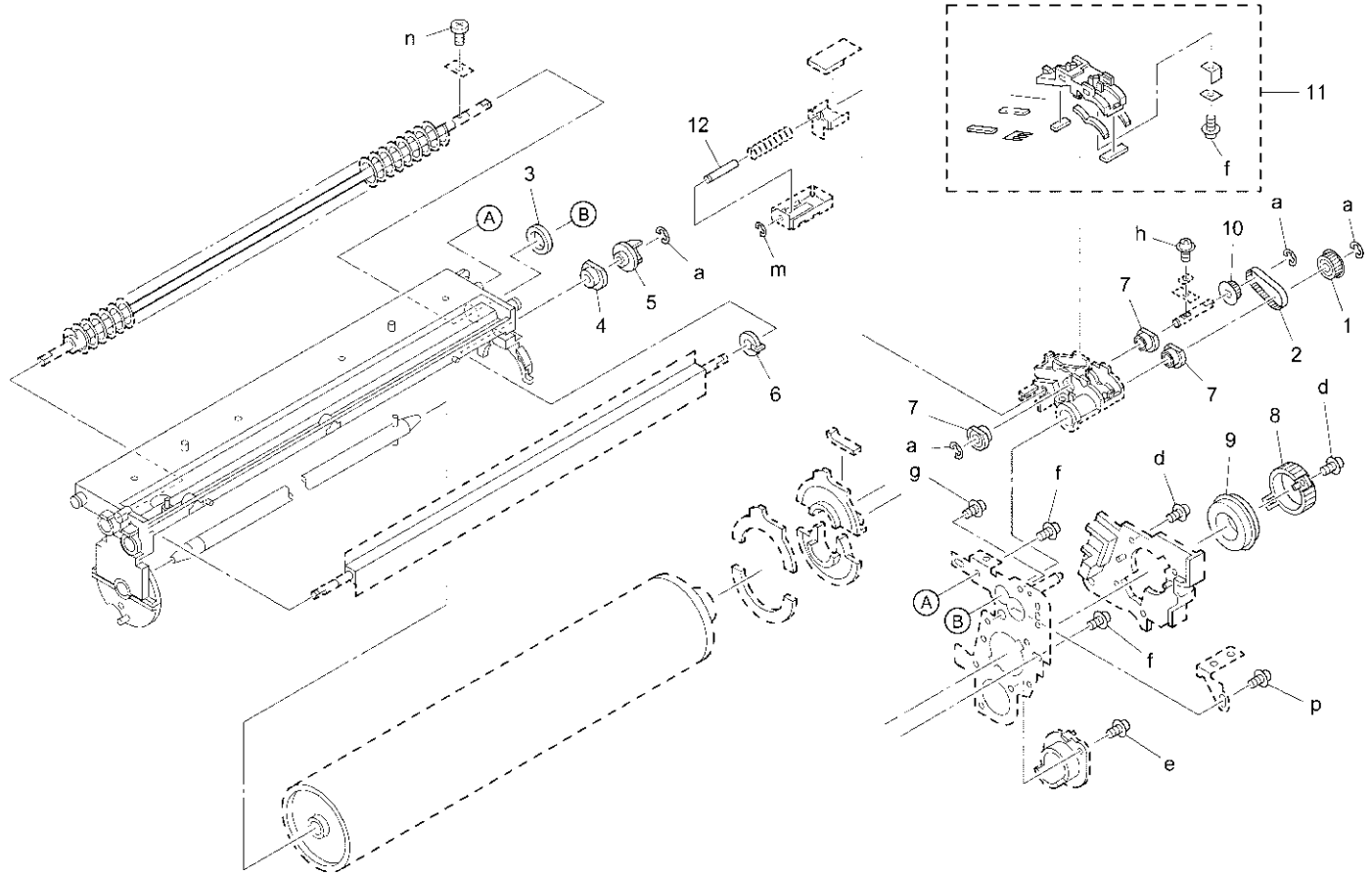
Drum cartridge



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA20270	Separate release lever
2	26NA20310	Separate rocking screw
3	26NA20300	Separate rocking collar
4	26NA20241	Separate guide plate
5	40AA20230	Separate release spring
6	26NA20321	Conveyance auxiliary roller
7	26NA20290	Separate rocking spring
8	26NA20950	Wiring guide plate
9	26NA-9180	Toner detecting board assembly
10	26NA90310	Sensor relay wiring/1
11	26NA-2260	Separate solenoid assembly
12	26NA21380	Solenoid seal
13	26NA21400	Paper guide sheet/A
14	26NA20191	Blade pressure spring
15	26NA21420	Paper guide sheet/C
16	26NA21430	Paper guide sheet/D
17	26NA-2240	Spewing preventive plate/A assembly
18	26NA-2180	Separate claw assembly
19	40AA20170	Separate fulcrum shaft
20	26NA-2090	Cleaning blade assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193043
b	00Z193061
d	00Z193041
e	00Z242061
f	00Z183061
g	00Z253081

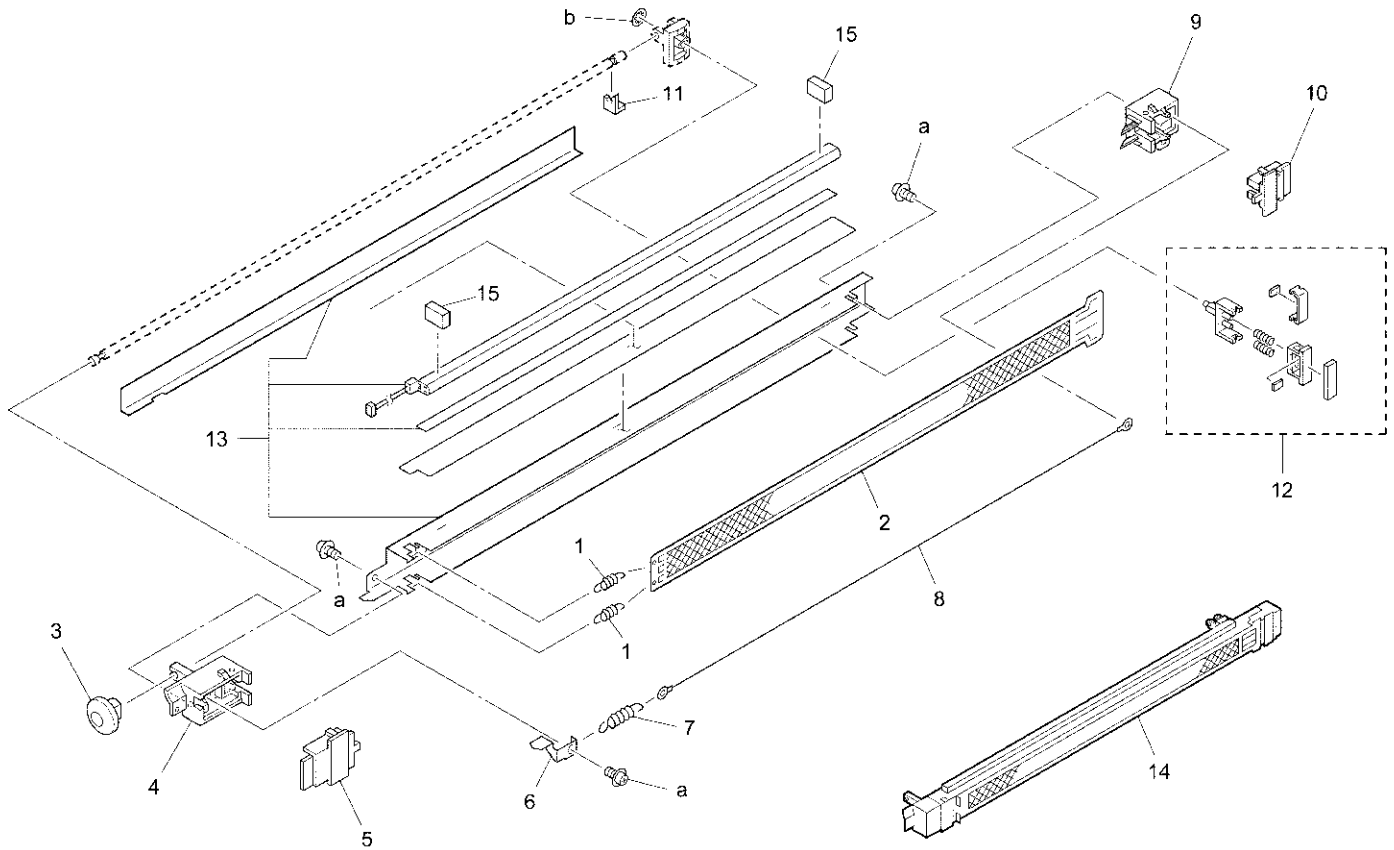
Drum cartridge



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA21230	Screw drive pulley/1 (Z=23)
2	26NA21220	Screw drive belt (L=76)
3	26NA20220	Cleaner collect seal
4	26NA20140	Screw shaft holder
5	26NA20560	Toner collect coupling
6	26NA21160	Shaft holder spacer
7	26NA21280	Screw shaft holder/B
8	26NA20250	Shaft holder fulcrum part
9	26NA20480	Drum shaft holder/F
10	26NA21240	Screw drive pulley/2 (Z=19)
11	26NA-2270	Collect cover/C assembly
12	26NA20870	Cleaner auxiliary shaft

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
d	00Z193061
e	00Z163061
f	00Z253101
g	00Z253121
h	00Z192041
m	00Z670206
n	00Z112021
p	00Z253081

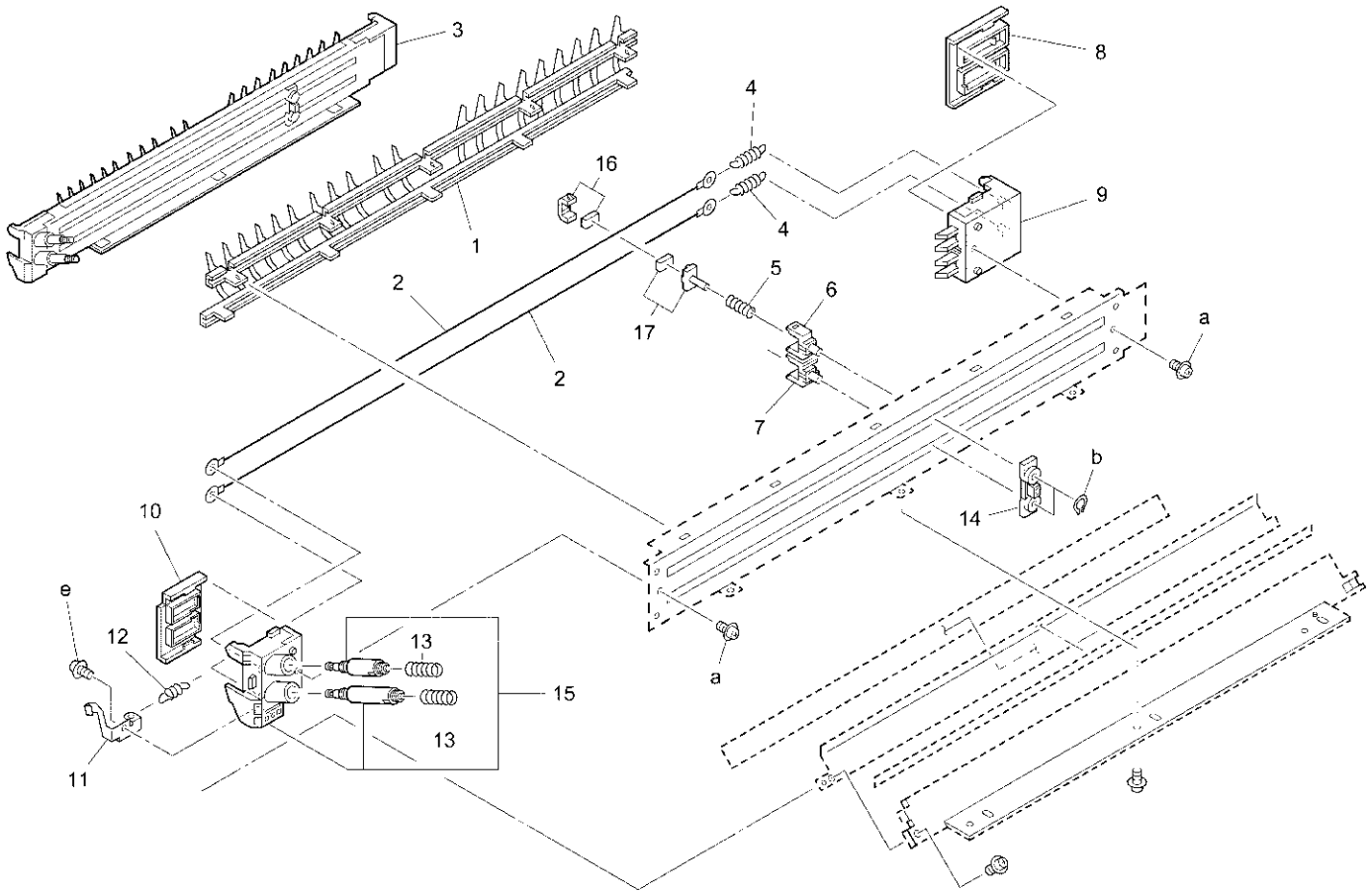
Charging corona unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA25180	Charging spring
2	26NA25160	Charging control plate
3	540025121	Charging cleaning knob
4	26NA25020	Charging block/front
5	26NA25040	Spark arrester preventive plate/front
6	26NA25070	Charging electrode plate
7	26NA25170	Wire tension spring
8	26NA25060	Charging wire
9	26NA25010	Charging block/rear
10	26NA25050	Spark arrester preventive plate/rear
11	25HA25100	Shaft stopper plate
12	26NA-2520	Charging cleaning assembly
13	26NA-2510	Charging discharge plate assembly
14	26NA-2500	Charging corona unit
15	26NA73800	Regulating seal/A

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253061
b	00Z660306

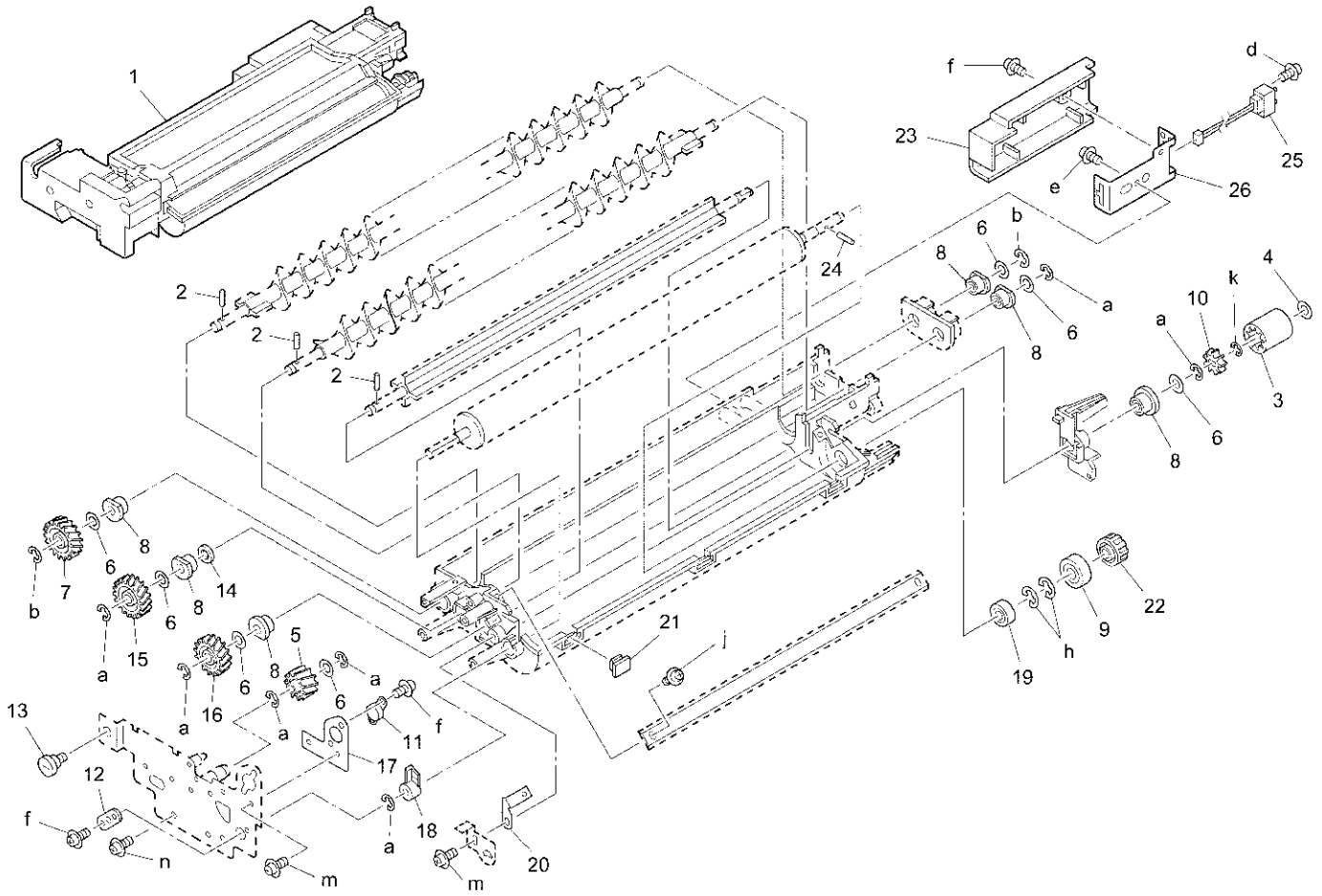
Transfer/separator unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA26190	Separate bridge
2	26NA26080	Discharge wire
3	26NA-2600	Transfer separator corona unit
4	26NA26230	Wire tension spring
5	26NA25130	Cleaner pressure spring
6	26NA26270	Transfer cleaning plate/E
7	26NA26150	Transfer cleaning plate/B
8	26NA26070	Spark arrester preventive plate/rear
9	26NA26040	Transfer separator block/rear
10	26NA26060	Spark arrester preventive plate/front
11	26NA26250	Electrode plate
12	26NA26260	Electrode spring
13	26NA73251	Electrode connecting spring/A
14	26NA26140	Transfer cleaning plate/A
15	26NA-2620	Transfer separator block/front
16	26NA-2640	Cleaner cover assembly
17	26NA-2630	Cleaner shaft assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z600406
e	00Z24B061

Developing unit



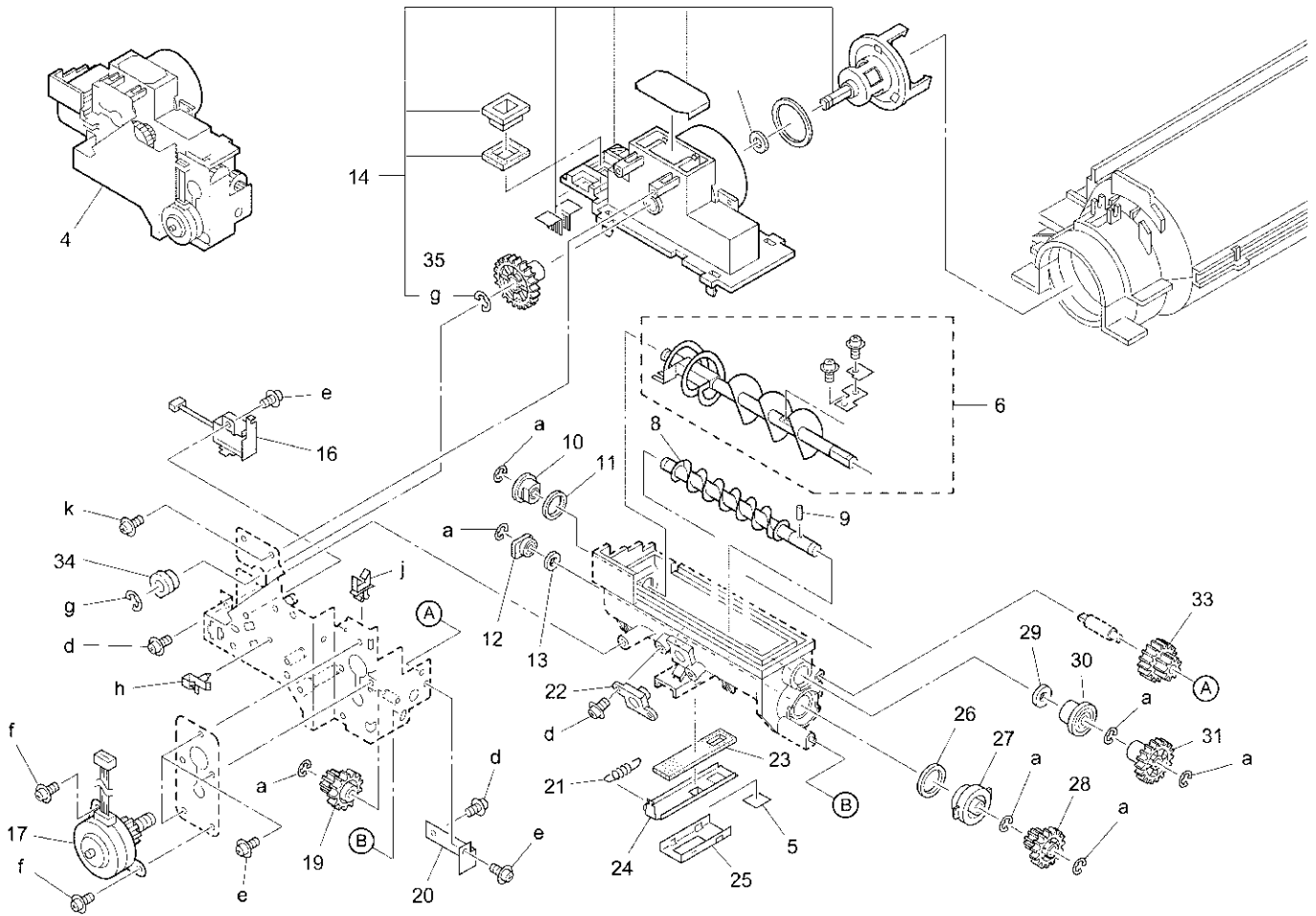
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-3002	Developing unit
2	466078010	Pin A
3	26NA30950	Agitate coupling/A
4	26NA30960	Spacer/C
5	26NA30170	Idler gear (Z=16)
6	26NA30850	Shaft holder spacer
7	26NA30810	Developing gear/C
8	26NA30770	Developing shaft holder
9	26NA30660	Developing guide shaft holder
10	26NA30730	Agitate coupling
11	26NA21360	Drum support shaft holder
12	26NA30750	Developing adjusting cam/front
13	26NA31010	Positioning screw
14	26NA30940	Developing seal/S
15	26NA30150	Agitate gear/B (Z=22)
16	26NA30140	Agitate gear/A (Z=22)
17	26NA30860	Shaft holder fulcrum part
18	26NA30630	Developing shaft holder/front
19	26NA30650	Developing shaft holder/rear
20	26NA30360	Developing connecting plate
21	26NA30840	Developing block
22	26NA30700	Developing gear (Z=26)
23	26NA30490	Developing electrode cover
24	113620600	Pin (A)
25	26NA90250	Developing wiring
26	26NA30470	Developing electrode stay

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670506
d	00Z183061
e	00Z253061
f	00Z193061
h	00Z670606
j	00Z163081
k	00Z670306
m	00Z163061
n	00Z253081

REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-3062	Developing cover assembly
2	26NA-3040	Developing cover assembly
3	*	Not used
4	*	Not used
5	26NA-3050	Developing cover part/A assembly
6	26NA-3020	Developing cover part/C assembly
7	26NA30930	Developing support stopper
8	26NA90350	Developing relay wiring/2
9	029420640	L detecting seal
10	26NA88040	Toner density sensor
11	*	Not used
12	26NA30440	Spewing preventive sheet/2
13	26NA30190	Developing plate/B
14	26NA30200	Supply spring
15	26NA30180	Developing plate/A
16	26NA30740	Developing rail/left
17	26NA30710	Developing rail/right (7020/7025)
17	26PA30710	Developing rail/right (7030)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253061
c	00Z193061

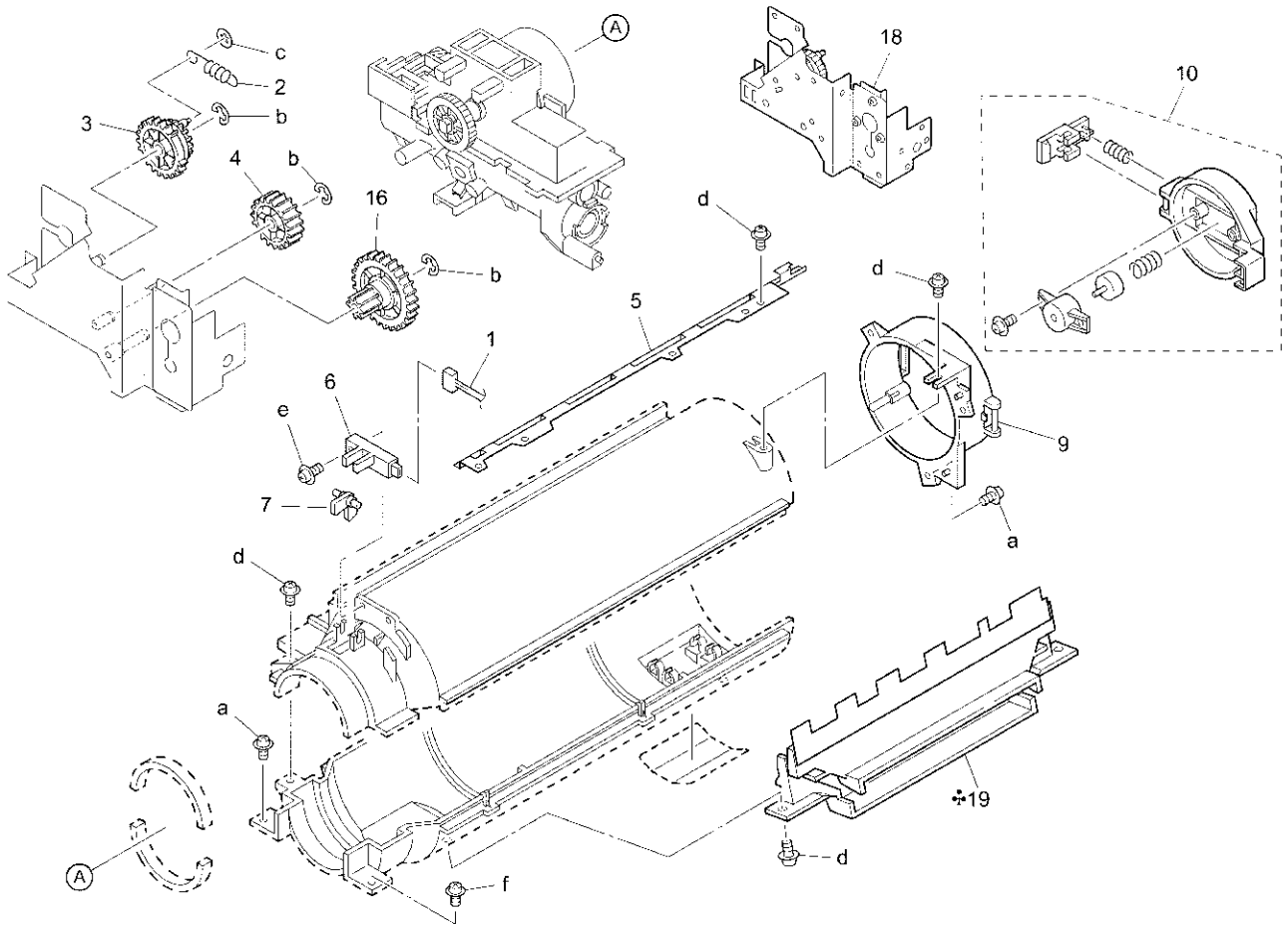
Toner supply unit



REF. NO.	PART NUMBER	DESCRIPTION
1	*	Not used
2	*	Not used
3	*	Not used
4	26NA-3200	Toner supply unit
5	26NA32900	Spewing preventive spacer
6	26NA-3250	Agitate screw assembly
7	*	Not used
8	26NA32040	Toner supply screw
9	26NA32970	Pin
10	26NA32540	Toner agitate shaft holder
11	26NA32280	Screw seal/upper
12	26NA32550	Toner agitate shaft holder/right
13	26NA32200	Screw seal/lower
14	26NA-3220	Toner supply base/upper assembly
15	*	Not used
16	26NA82550	Toner supply solenoid
17	26NA80060	Toner supply motor
18	*	Not used
19	26NA32680	Toner conveyance gear/5 (Z=16/23)
20	26NA32470	Driving auxiliary plate
21	26NA32090	Toner supply open-close spring
22	40AA88030	Remainder detecting sensor
23	26NA32300	Toner supply open-close sheet
24	26NA32080	Toner supply open-close plate
25	26NA32430	Toner supply open-close cover
26	26NA32270	Screw seal/middle
27	26NA32560	Toner agitate shaft holder/left
28	26NA32510	Toner conveyance gear/1 (Z=16/24)
29	26NA32960	Felt/C
30	25HA32152	Toner conveyance shaft holder/A
31	26NA32530	Toner conveyance gear/4 (Z=34)
32	*	Not used
33	26NA32520	Toner conveyance gear/3 (Z=13/30)
34	26NA32660	Toner supply shaft holder
35	26NA32590	Toner supply regulating gear (Z=42)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
d	00Z253081
e	00Z193041
f	00Z143041
g	00Z670506
h	00Z921941
j	00Z921301
k	00Z283061

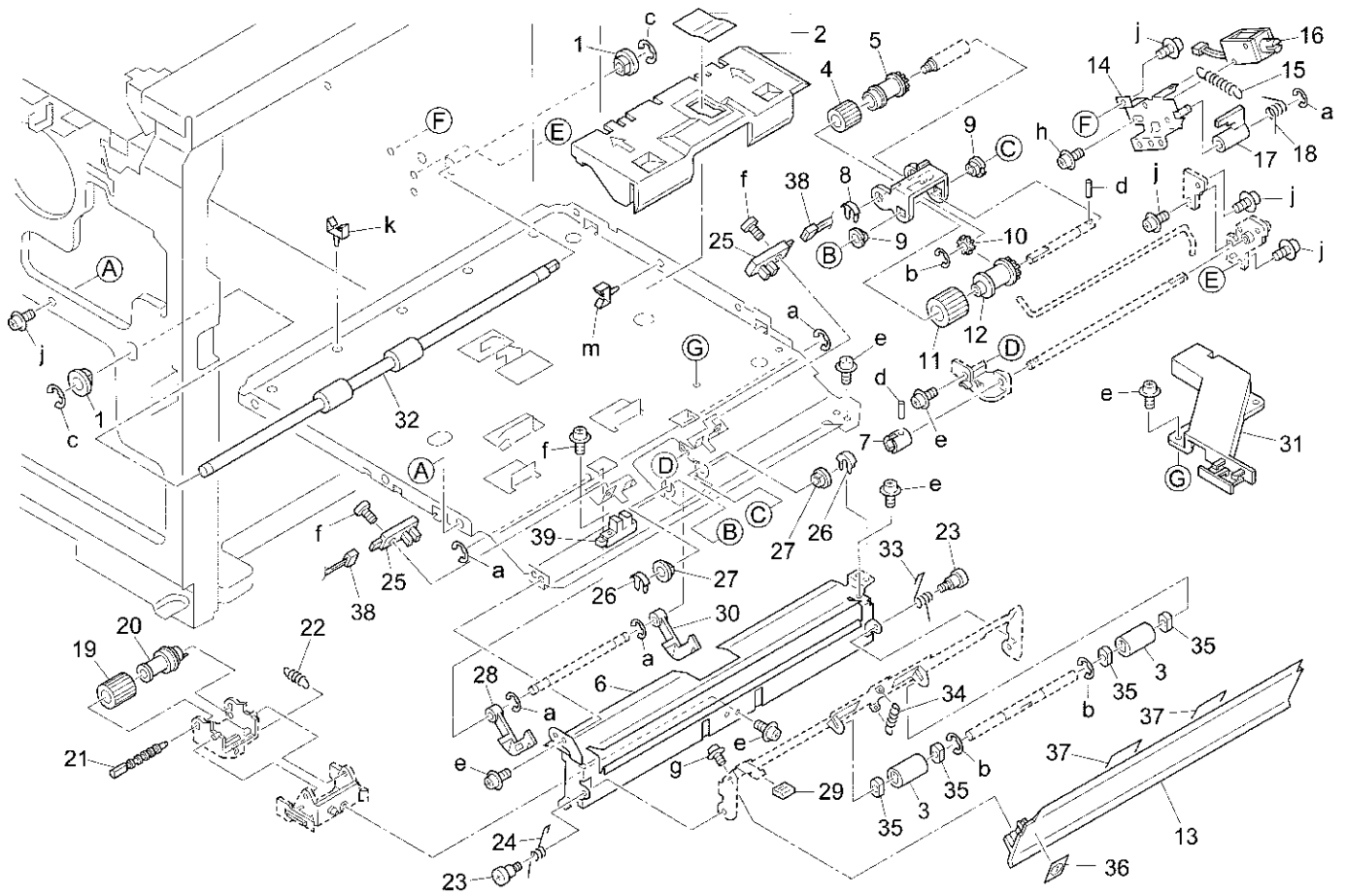
Toner supply unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90330	Sensor relay wiring/3
2	40AA53230	Tension spring
3	26NA32580	Toner supply regulating gear (Z=21/41)
4	26NA32640	Toner supply gear/2 (Z=41)
5	26NA10350	Rail/left
6	552085510	Photosensor
7	26NA32230	Detecting actuator/A
8	*	Not used
9	26NE32401	Toner supply guide plate
10	26NA-3320	Toner cartridge pressure assembly
11	*	Not used
12	*	Not used
13	*	Not used
14	*	Not used
15	*	Not used
16	26NA32610	Toner supply gear/1 (Z=14/60)
17	*	Not used
18	26NA-3230	Toner supply driving assembly
19	26NE-7620	Cooling cover/E assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z283061
b	00Z670406
c	00Z660206
d	00Z253081
e	00Z253141
f	00Z194061

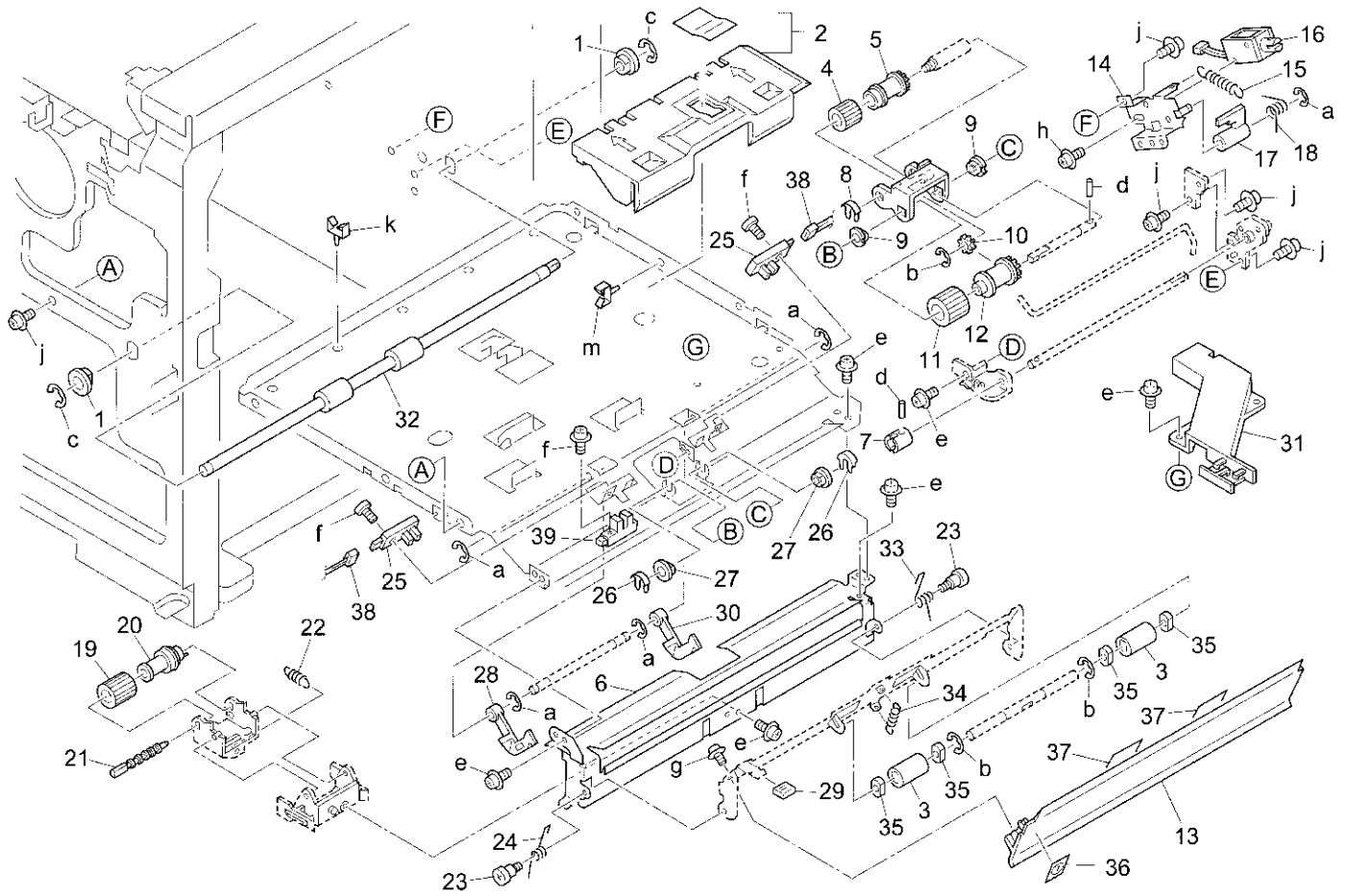
Paper feed unit (upper)



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA40820	Paper feed slide holder
2	26NA-4140	Toner cover assembly (7020/7025)
2	26PA-4140	Toner cover assembly (7030)
3	26NA42560	Manual feed driven roller
4	26NA40090	Paper feeding rubber
5	26NA40080	Feeding roller
6	26NA40030	Paper feed guide plate/upper (7020/7025)
6	26PA40030	Paper feed guide plate/upper (7030)
7	26NA40160	Driving coupling
8	40AA40150	Shaft positioning part
9	40AA76040	Feeding shaft holder
10	26NA40510	Paper feed idler gear (Z=17)
11	26NA40110	Double feed preventive rubber/upper
12	26NA40100	Double feed preventive roller/upper
13	26NA40221	Paper feed auxiliary plate
14	26NA-4190	Solenoid mount plate assembly
15	26NA40810	Paper feeding spring
16	26NA82510	Paper feed solenoid
17	26NA40830	Positioning arm
18	26NA40760	Lever hold spring
19	26NA40120	Double feed preventive rubber/lower
20	26NA40500	Double feed preventive roller

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z712106
e	00Z193061
f	00Z193101
g	00Z253081
h	00Z163051
j	00Z283061
k	00Z921302
m	00Z921942

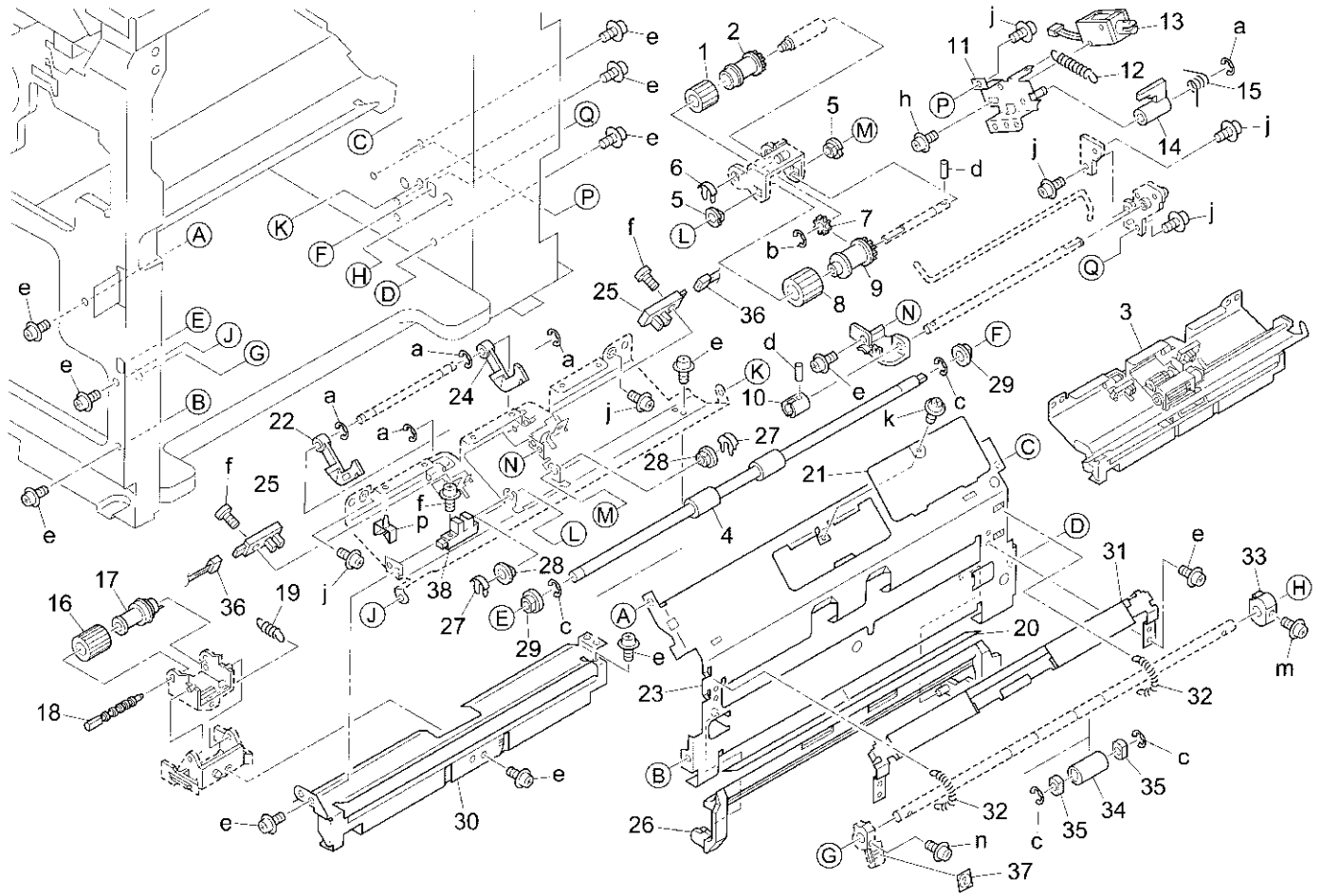
Paper feed unit (upper)



REF. NO.	PART NUMBER	DESCRIPTION
21	40AA40181	Lever click shaft
22	40AA40450	Double feed pressure spring
23	066079020	Drawer
24	26NA40631	Paper feed pressure spring/front
25	552085510	Photosensor
26	26NA40700	Shaft positioning part
27	540076010	Paper feed shaft holder
28	26NA40280	Paper detecting actuator
29	26NA40780	Paper feed support knob
30	26NA40750	Paper detecting actuator/2
31	26NA73490	Wiring guide bridge
32	26NA40231	Paper feed connecting roller/1
33	26NA40641	Paper feed pressure spring/rear
34	26NA40261	Conveyance pressure spring
35	25AA75530	Slide bearing
36	26NA97430	Lever indication label/1
37	26NA40910	Paper feed guide sheet/A
38	26NA90120	Paper feed wiring/upper (7020/7025)
38	26PA90120	Paper feed wiring/upper (7030)
39	25AA85511	Photosensor

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z712106
e	00Z193061
f	00Z193101
g	00Z253081
h	00Z163051
j	00Z283061
k	00Z921302
m	00Z921942

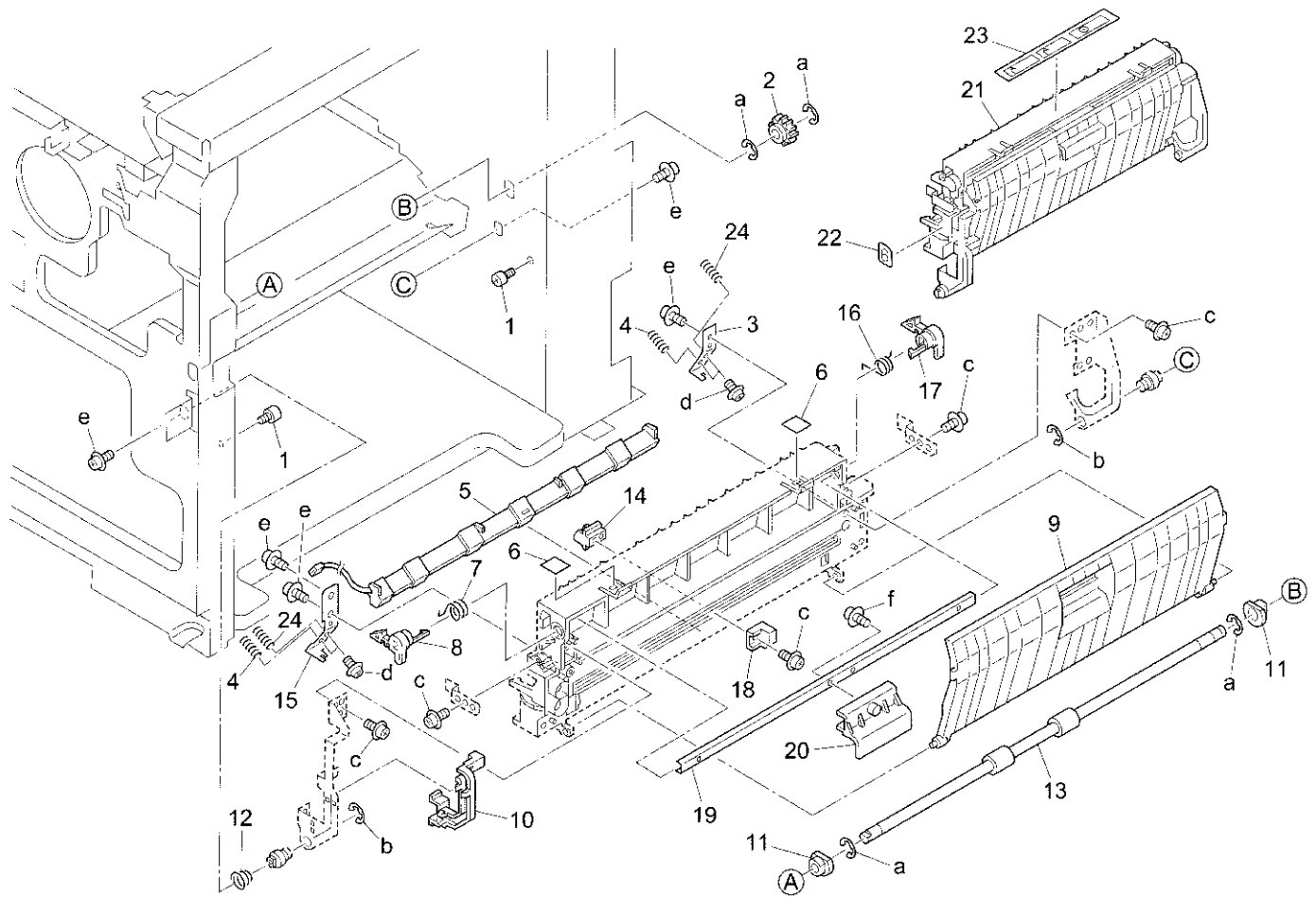
Paper feed unit (lower)



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA40090	Paper feeding rubber
2	26NA40080	Feeding roller
3	26NA-4010	Paper feed lower assembly (7020/7025)
3	26PA-4010	Paper feed lower assembly (7030)
4	26NA40671	Paper feed connecting roller/2
5	40AA76040	Feeding shaft holder
6	40AA40150	Shaft positioning part
7	26NA40510	Paper feed idler gear (Z=17)
8	26NA40110	Double feed preventive rubber/upper
9	26NA40100	Double feed preventive roller/upper
10	26NA40160	Driving coupling
11	26NA-4190	Solenoid mount plate assembly
12	26NA40810	Paper feeding spring
13	26NA82510	Paper feed solenoid
14	26NA40830	Positioning arm
15	26NA40760	Lever hold spring
16	26NA40120	Double feed preventive rubber/lower
17	26NA40500	Double feed preventive roller
18	40AA40181	Lever click shaft
19	40AA40450	Double feed pressure spring
20	26NA50352	Guide sheet
21	26NA40200	Paper feed protect sheet/2
22	26NA40280	Paper detecting actuator
23	26NA40190	Paper feed plate/right
24	26NA40750	Paper detecting actuator/2
25	552085510	Photosensor
26	26NA40270	Side guide plate
27	26NA40700	Shaft positioning part
28	540076010	Paper feed shaft holder
29	26NA40820	Paper feed slide bearing
30	26NA40740	Paper feed guide plate/lower (7020/7025)
30	26PA40740	Paper feed guide plate/lower (7030)
31	26NA-4160	Paper feed enter plate assembly
32	26NA40720	Paper feed conveyance spring
33	26NA40880	Cam release part/rear
34	26NA40680	Paper feed driven roller/lower
35	26NA40890	Slide bearing
36	26NA90130	Paper feed wiring/lower (7020/7025)
36	26PA90130	Paper feed wiring/lower (7030)
37	26NA97440	Lever indication label/2
38	25AA85511	Photosensor

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z712106
e	00Z193061
f	00Z193101
h	00Z163051
j	00Z283061
k	00Z183061
m	00Z163121
n	00Z193141
p	00Z921942

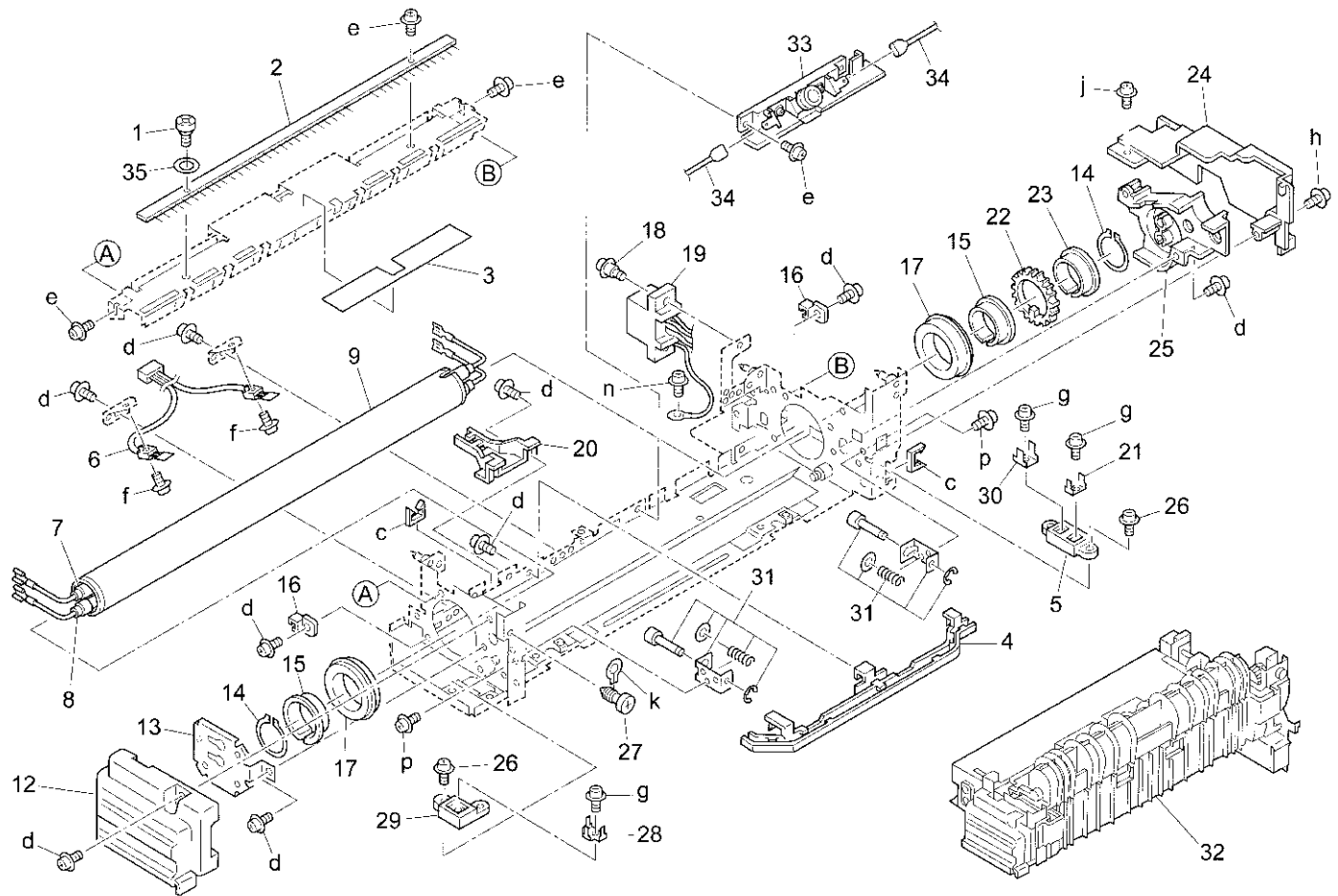
Conveyance unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA45430	Conveyance stopper
2	26NA16130	Clutch gear/1 (Z=27)
3	26NA45080	Lift-up plate
4	26NA45071	Lift-up spring
5	26NA-4581	PTL light shield assembly
6	26NA97380	Open-close label/lower
7	26NA45330	Lock spring/2
8	26NA45220	Open-close lever
9	26NA45340	Conveyance guide part
10	26NA45390	Cord cover
11	466076020	Paper feeding shaft holder
12	26NA45290	Ground spring
13	26NA45030	Conveyance roller
14	26NA45400	Guide plate
15	26NA45090	Ground plate
16	26NA45320	Lock spring/1
17	26NA45310	Open-close lever/2
18	26NA45410	Electrode cleaning knob
19	26NA45210	Conveyance open-close shaft
20	26NA45350	Conveyance knob
21	26NA-4500	Conveyance unit
22	26NA97480	Lever indication label/6
23	26NA97491	Drum caution label
24	26NA45490	Lifting spring/2

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z253081
d	00Z113041
e	00Z193061
f	00Z243061

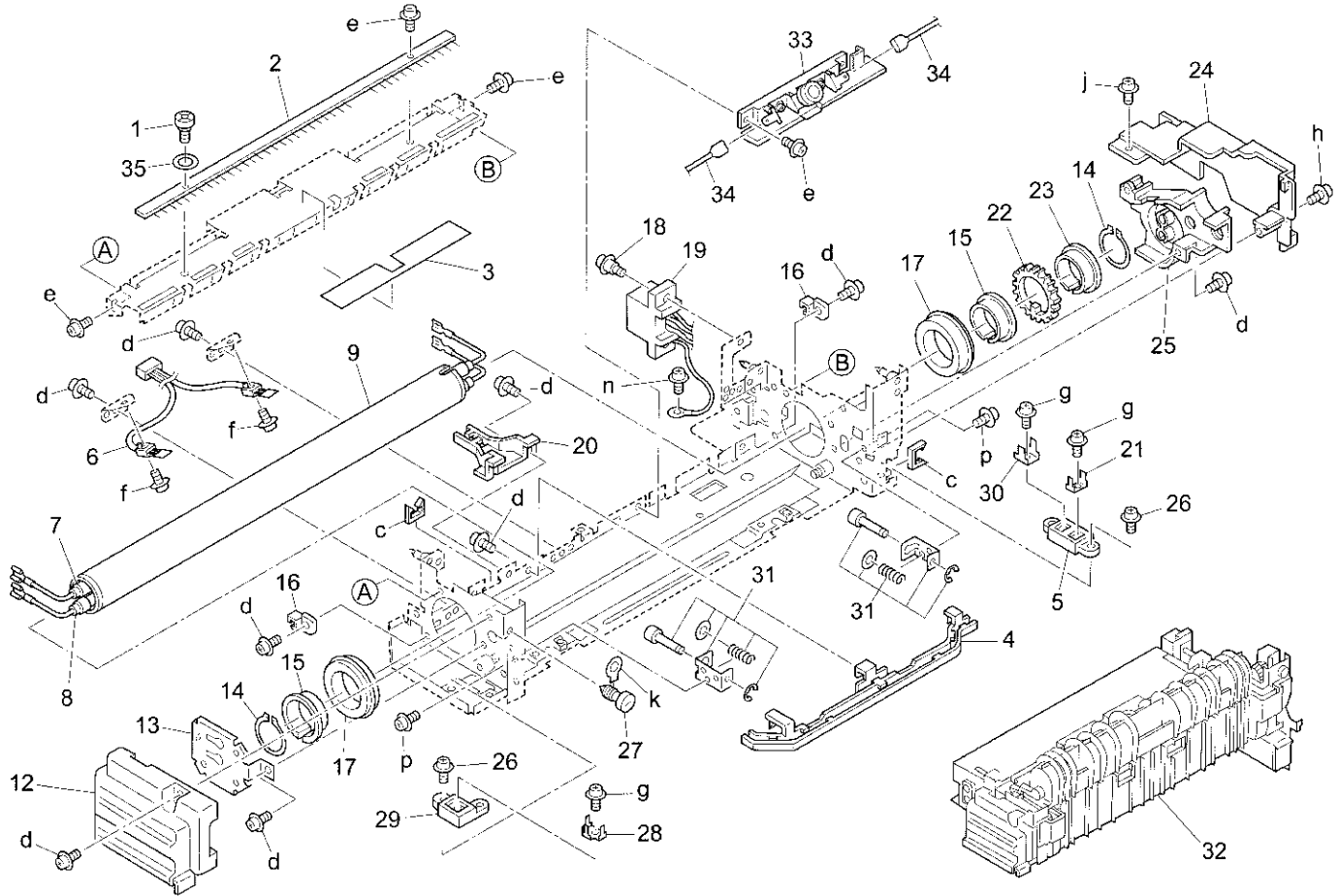
Fixing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA54190	Fixing guide screw
2	26NA54140	Neutralizing brush
3	26NA53500	Fixing heat insulating sheet/D
4	26NA54051	Wiring guide plate/B
5	26NA53770	Terminal plate/A
6	26NA88011	Fixing sensor
7	26NE83020	Fixing heater/1
8	26NE83030	Fixing heater/2
9	26NA53030	Fixing roller/upper (7020/7030)
9	26NA53033	Fixing roller/upper (7025)
10	*	Not used
11	*	Not used
12	26NA53401	Fixing cover/front
13	26NA53890	Lamp support part/front
14	26NA53620	Fixing fixed ring
15	26NA53720	Heat insulating sleeve/A

HARDWARE	
REF. LTR.	PART NUMBER
c	00Z921330
d	00Z193041
e	00Z163061
f	00Z163101
g	00Z153061
h	00Z193251
j	00Z193061
k	00Z600406
n	00Z164061
p	00Z183031

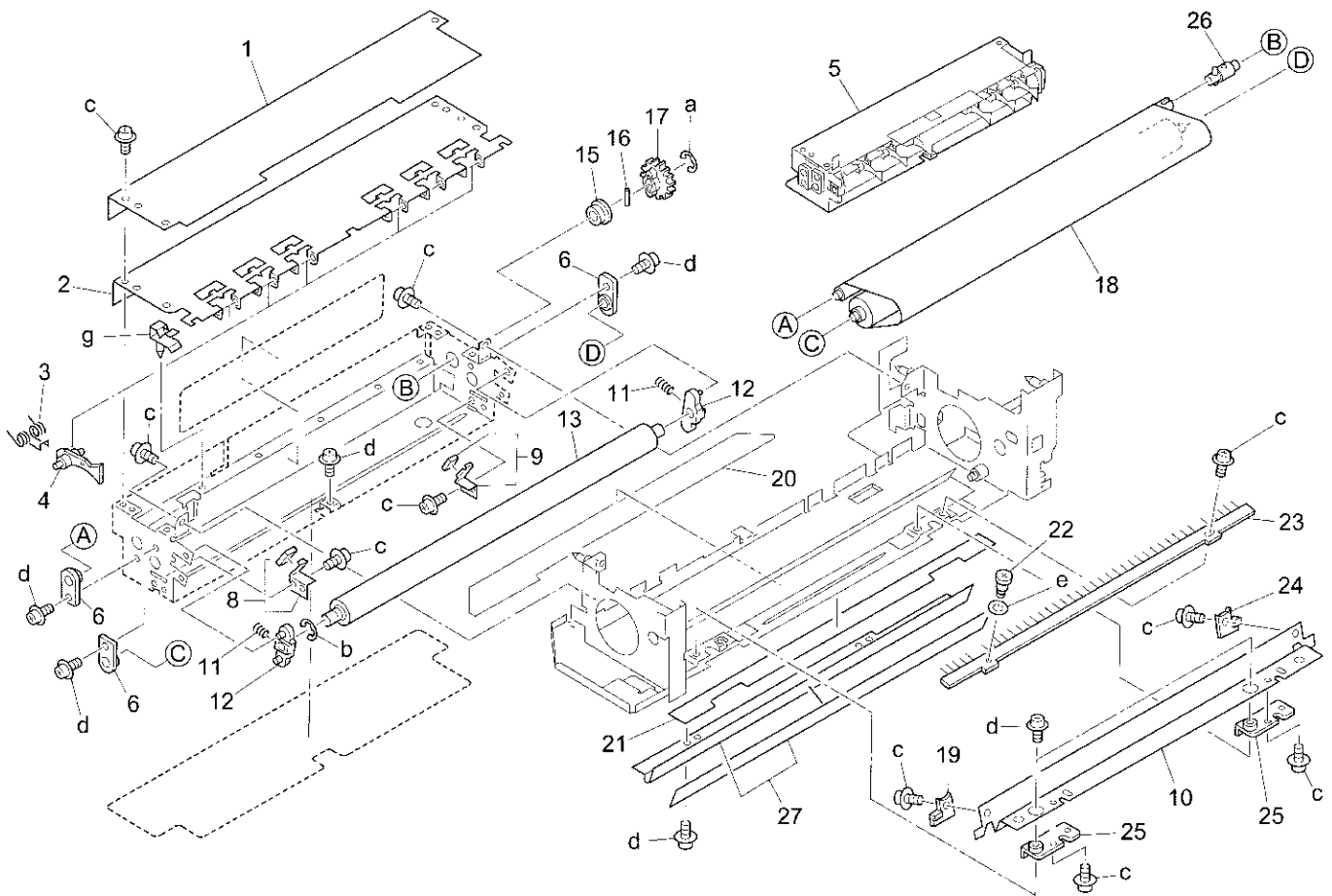
Fixing unit



REF. NO.	PART NUMBER	DESCRIPTION
16	26NA53211	Wiring guide plate/A
17	26NA53710	Fixing shaft holder/upper
18	26NA54030	Mount screw
19	26NA90051	Fixing electrify wiring
20	26NA54150	Wiring guide plate/C
21	40AA53470	Terminal plate/1
22	26NA54060	Fixing gear (Z=40)
23	26NA53730	Heat insulating sleeve/B
24	26NA53410	Fixing cover/rear
25	26NA53900	Lamp support plate/rear
26	26NA54230	Terminal fixing screw
27	26NA53931	Fixed screw
28	26NA54280	Terminal plate
29	26NA53780	Terminal plate/B
30	26NA53740	Terminal plate/A
31	26NA-5461	Pressure spring assembly
32	26NE-5302	Fixing unit
33	26NA-5350	Fuse mount plate assembly
34	26NA90040	Fuse cord/1
35	26NA54320	Collar

HARDWARE	
REF. LTR.	PART NUMBER
c	00Z921330
d	00Z193041
e	00Z163061
f	00Z163101
g	00Z153061
h	00Z193251
j	00Z193061
k	00Z600406
n	00Z164061
p	00Z183031

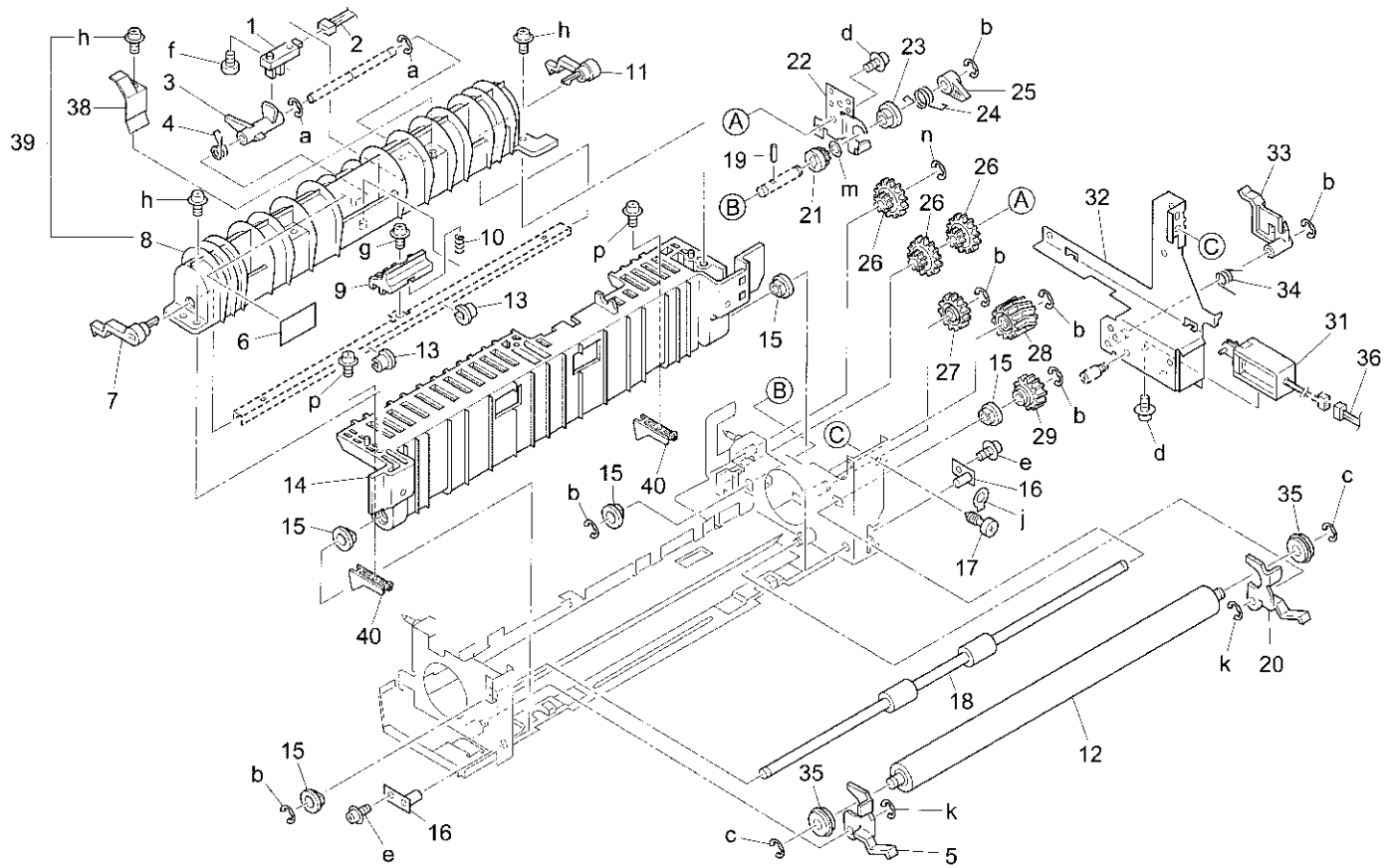
Fixing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA53560	Heat insulating sheet/E
2	26NA53270	Cleaner cover
3	26NA54160	Separate spring
4	26NA54270	Fixing claw
5	26NA-5401	Cleaner assembly
6	26NA53510	Fixing cleaner shaft holder/B
7	*	Not used
8	26NA-5410	Regulating plate/front assembly
9	26NA-5420	Regulating plate/rear assembly
10	26NA53650	Fixing entrance plate
11	26NA53610	Cleaner pressure spring
12	26NA53490	Fixing cleaner shaft holder/A
13	26NA53830	Fixing cleaner roller
14	*	Not used
15	26NA54300	Fixing cleaner shaft holder/A
16	113620600	Pin (A)
17	26NA53470	Cleaner gear/B (Z=44)
18	26NA53430	Web
19	26NA53680	Pressure plate/A
20	26NA53250	Fixing heat insulate sheet/B
21	26NA53360	Fixing heat insulate sheet/C
22	26NA54190	Fixing guide screw
23	26NA54181	Neutralizing brush
24	26NA54010	Pressure plate/B
25	26NA53790	Heat insulating plate
26	26NA-5430	Cleaner driving shaft assembly
27	26NA-5480	Fixing entrance plate/2 assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193041
d	00Z193061
e	00Z610401
g	00Z921930

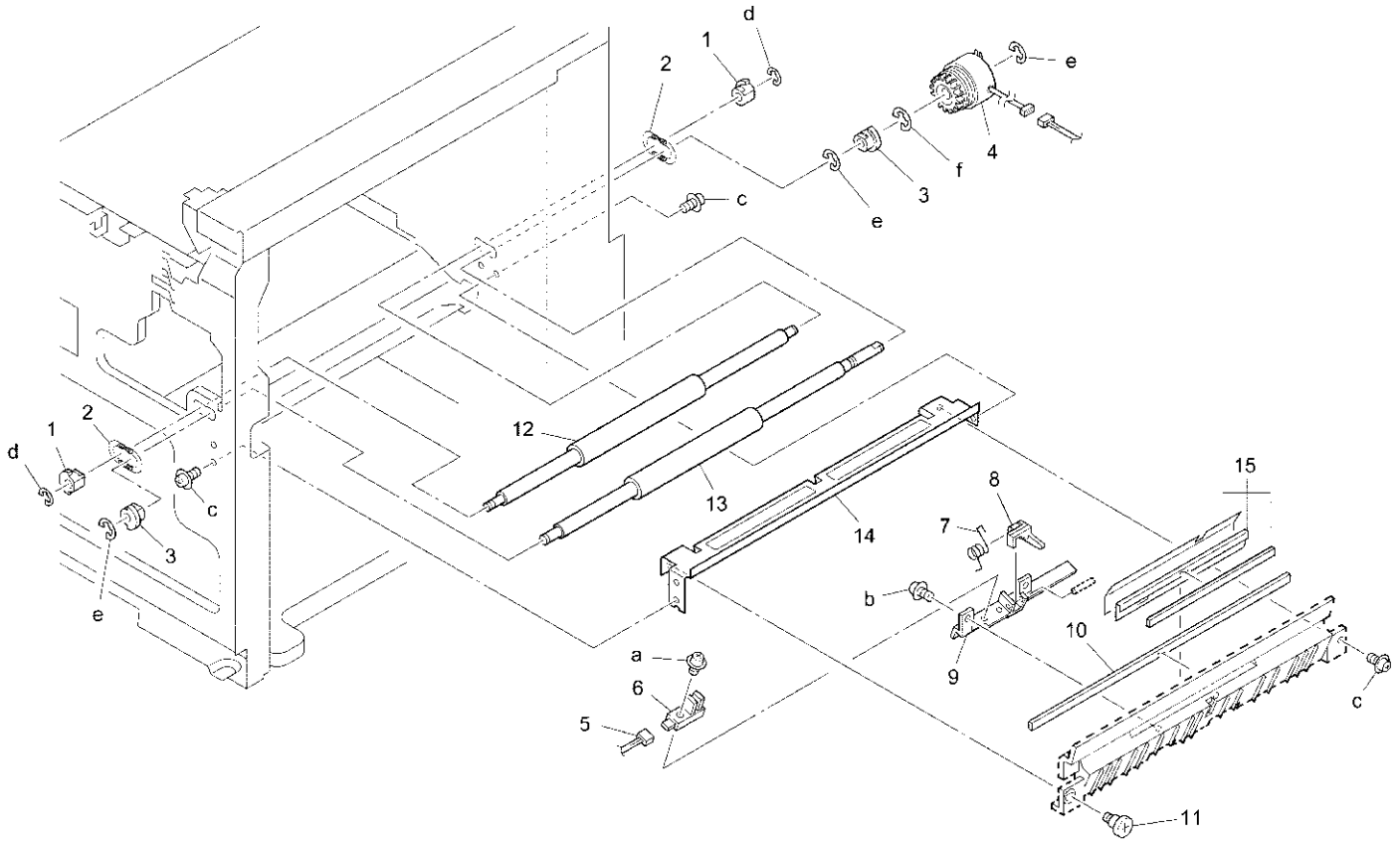
Fixing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	552085510	Photosensor
2	26NA90490	Fixing relay wiring/2
3	26NA53170	Fixing paper exit actuator
4	26NA53700	Sensor pressure spring
5	26NA53070	Pressure arm/front
6	26NE97470	Lever indication label/5
7	26NA54070	Lock plate/front
8	26NA53882	Fixing guide part/2
9	26NA54110	Open-close lever
10	26NA54120	Open-close spring
11	26NA54080	Lock part/rear
12	26NA53040	Fixing roller/lower
13	26NA54100	Lever shaft holder
14	26NA53020	Fixing guide part
15	192141710	Paper push up lever shaft holder
16	26NA-5440	Rotary shaft/A assembly
17	26NA53931	Fixed screw
18	26NA53131	Conveyance roller
19	466078010	Pin A
20	26NA53080	Pressure arm/rear
21	26NA53460	Cleaner gear/A
22	26NA-5470	Auxiliary part assembly
23	26NA53840	Fixing cleaner shaft holder/C
24	26NA53290	Lever spring
25	26NA54040	Fixing cleaner lever
26	26NA54290	Fixing driving gear/D (Z=18/44)
27	26NA53940	Fixing idler gear/B (Z=21)
28	26NA53440	Fixing idler gear/A (Z=21)
29	26NA53450	Conveyance drive gear (Z=21/21)
30	*	Not used
31	26NA-4890	ADU Solenoid shaft assembly
32	26NA-5510	Fixing mount rail assembly
33	26NA53660	Solenoid actuator
34	26NA53670	Solenoid spring
35	26NA53590	Fixing shaft holder/lower
36	26NA90410	Web relay wiring
37	*	Not used
38	26NA-5281	Conveyance guide sheet /2 assembly
39	SE95-3660	Fixing guide part assembly
40	26NA54310	Paper guide part

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z670406
c	00Z670606
d	00Z163061
e	00Z193041
f	00Z253121
g	00Z193061
h	00Z253101
j	00Z600406
k	00Z670306
m	00Z610601
n	00Z670506
p	00Z253081

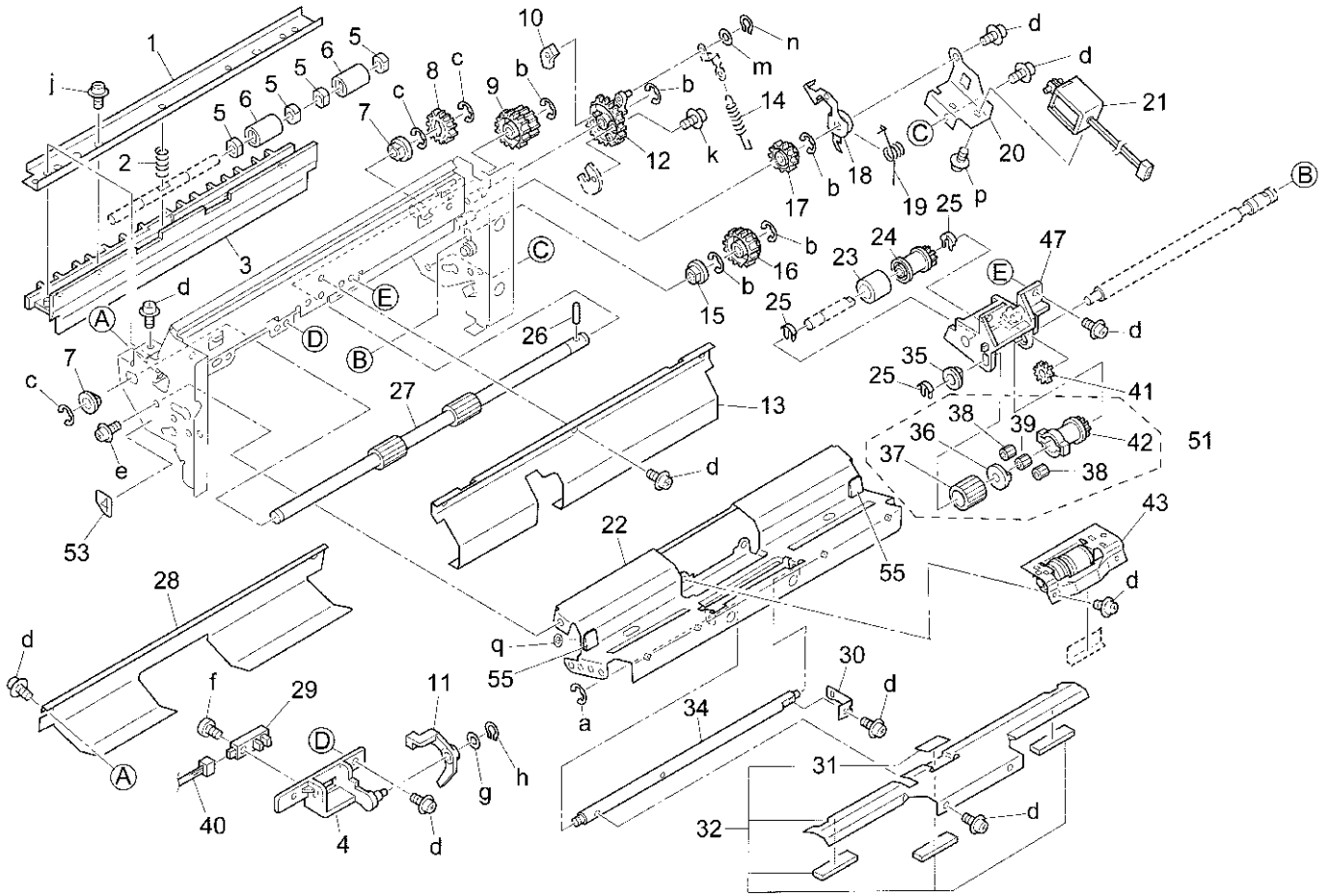
Resist unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA45371	Resist shaft holder/2
2	26NA45140	Resist spring
3	26NA45360	Resist shaft holder/1
4	26NA82010	Resist clutch
5	26NA90440	Resist relay wiring
6	552085510	Photosensor
7	26NA45170	Sensor pressure spring
8	26NA45160	Resist actuator
9	26NA45150	Sensor support part
10	26NA45450	Dust proof seal
11	26NA45440	Resist fixed screw
12	26NA45130	Resist roller/B
13	26NA45120	Resist roller/A
14	26NA-4520	Conveyance support plate assembly
15	26NA-4540	Resist cleaner assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253141
b	00Z253081
c	00Z193061
d	00Z670406
e	00Z670506
f	00Z670606

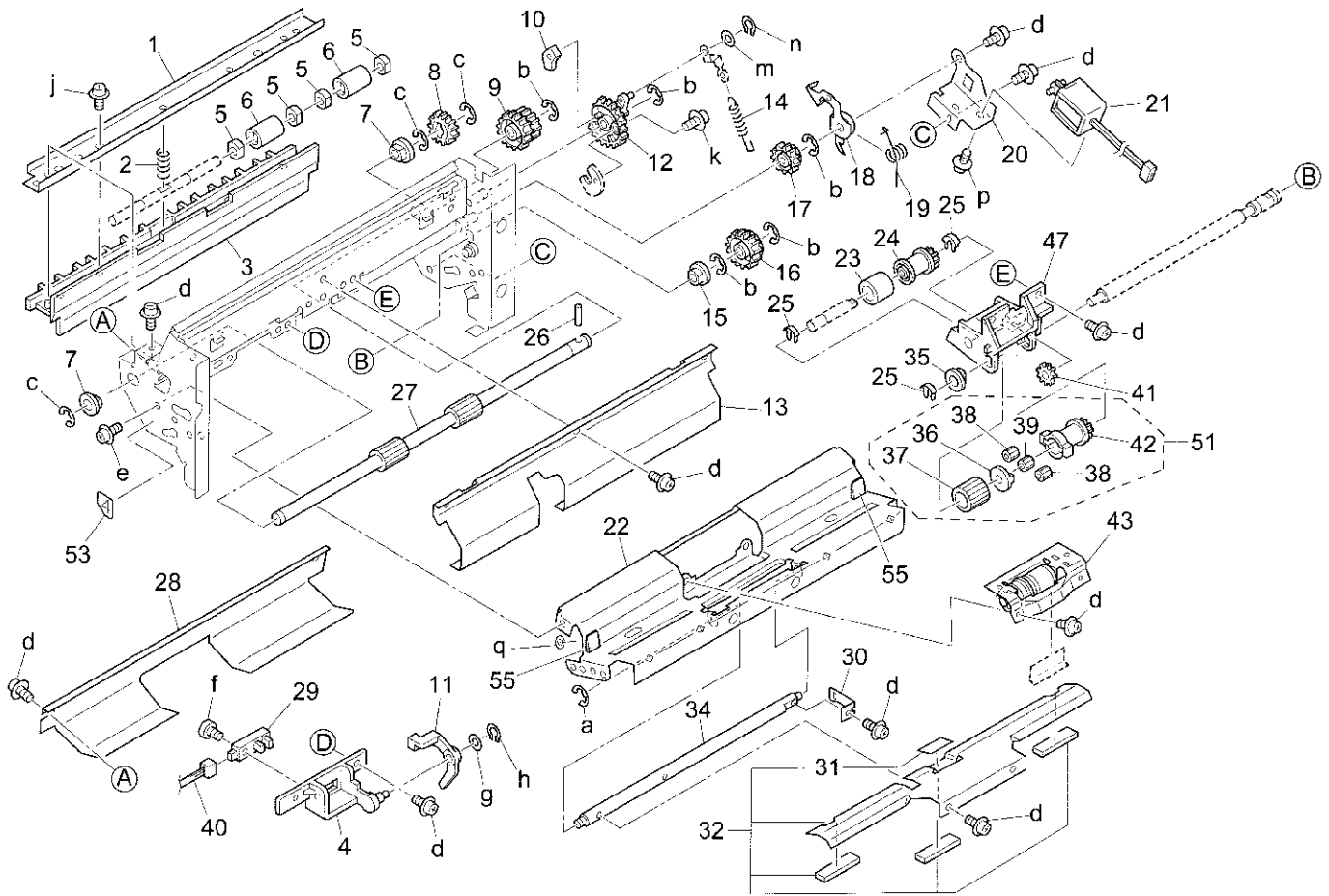
Manual feed unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA42420	Manual feed auxiliary plate
2	26NA42241	Manual feed conveyance spring
3	26NA42010	Manual feed guide part
4	26NA42350	Sensor support part
5	25AA75530	Slide bearing
6	26NA40240	Paper feed driven roller
7	090075530	Bearing
8	26NA42061	Manual feed conveyance gear (Z=21)
9	26NA42050	Manual feed idler gear/upper (Z=28/30)
10	40AA42310	Manual feed pressure rubber
11	26NA42280	Manual feed detecting part
12	26NA42070	Cam pressure gear (Z=25)
13	26NA-4310	Manual feed cover assembly
14	26NA42220	Manual feed pressure spring
15	466076020	Paper feeding shaft holder
16	40AA42270	Manual feed clutch
17	26NA42040	Manual feed idler gear/lower (Z=22)
18	26NA42030	Manual feed driving cam
19	26NA42210	Cam spring
20	26NA42270	Solenoid mount plate
21	26NA-5090	Manual feed solenoid assembly
22	26NA42251	Manual feed guide plate
23	540040562	Paper supply rubber
24	40AA42100	Manual feed conveyance roller
25	40AA40150	Shaft positioning part
26	304078040	Pin B
27	26NA42021	Manual feed conveyance roller
28	26NA42480	Bypass feed guide plate/upper
29	552085510	Photosensor
30	26NA42410	Manual feed lift-up lever
31	540042350	Double feed preventive plate
32	26NA-4221	Manual feed lift-up plate assembly
33	*	Not used

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z193061
e	00Z183063
f	00Z253141
g	00Z610401
h	00Z660406
j	00Z253081
k	00Z183041
m	00Z610301
n	00Z660306
p	00Z193041
q	00Z660306

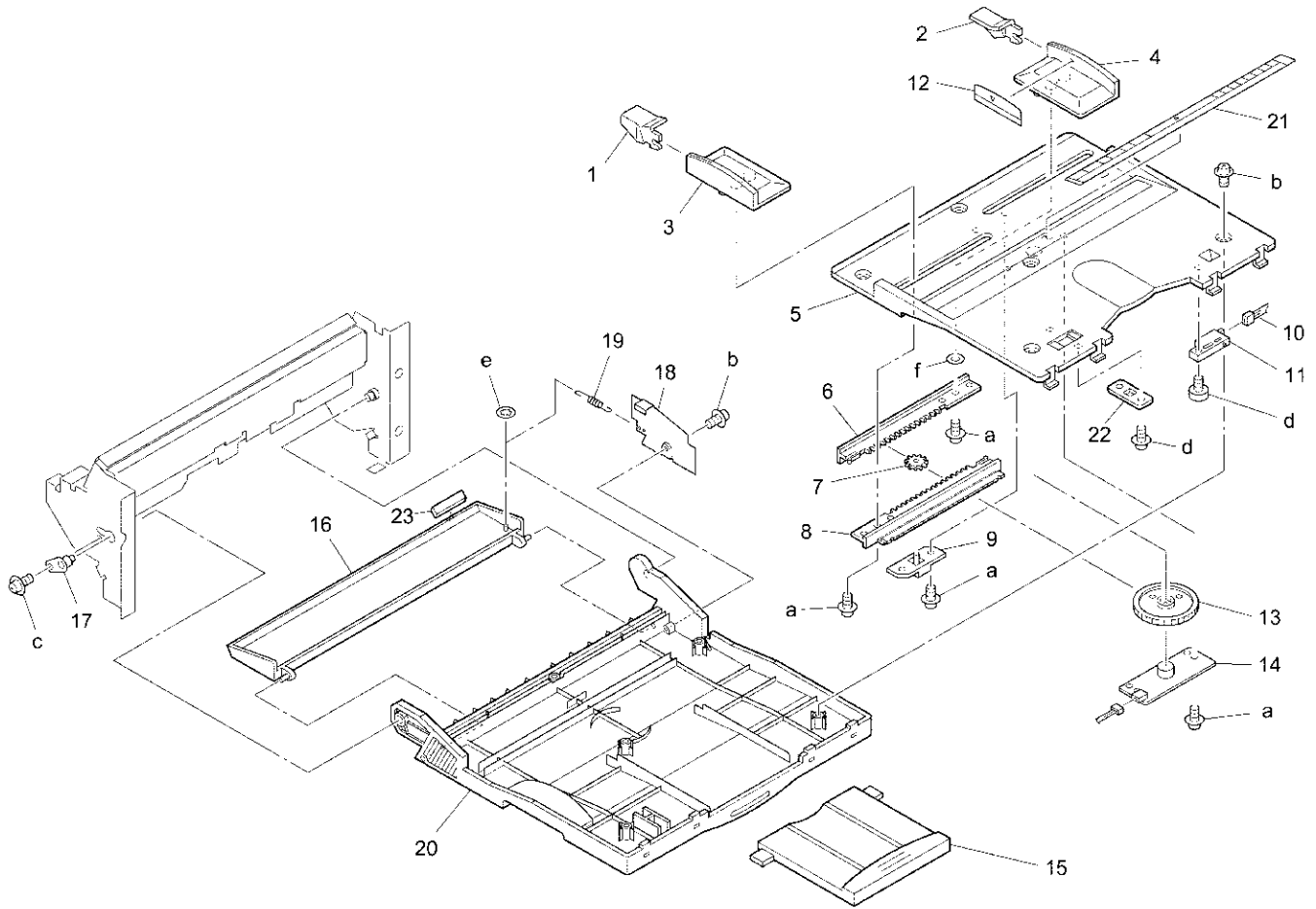
Manual feed unit



REF. NO.	PART NUMBER	DESCRIPTION
34	26NA42200	Manual feed lift-up shaft
35	540076010	Paper feed shaft holder
36	26NA42590	Cover
37	25BA40320	Paper feeding rubber
38	26NA42630	Clutch lock gear (Z=10)
39	26NA42610	Clutch standard gear
40	26NA90140	Manual feed wiring
41	26NA42580	Gear (D) (Z=16)
42	26NA42600	Manual feed roller
43	26NA-4241	Manual feed paper guide assembly
44	*	Not used
45	*	Not used
46	*	Not used
47	26NA42081	Manual feed part
48	*	Not used
49	*	Not used
50	*	Not used
51	26NA-4280	Manual feed pick up assembly/2
52	*	Not used
53	26NA97460	Lever indication label/4
54	*	Not used
55	26NA42570	Manual feed guide spacer

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z193061
e	00Z183063
f	00Z253141
g	00Z610401
h	00Z660406
j	00Z253081
k	00Z183041
m	00Z610301
n	00Z660306
p	00Z193041
q	00Z660306

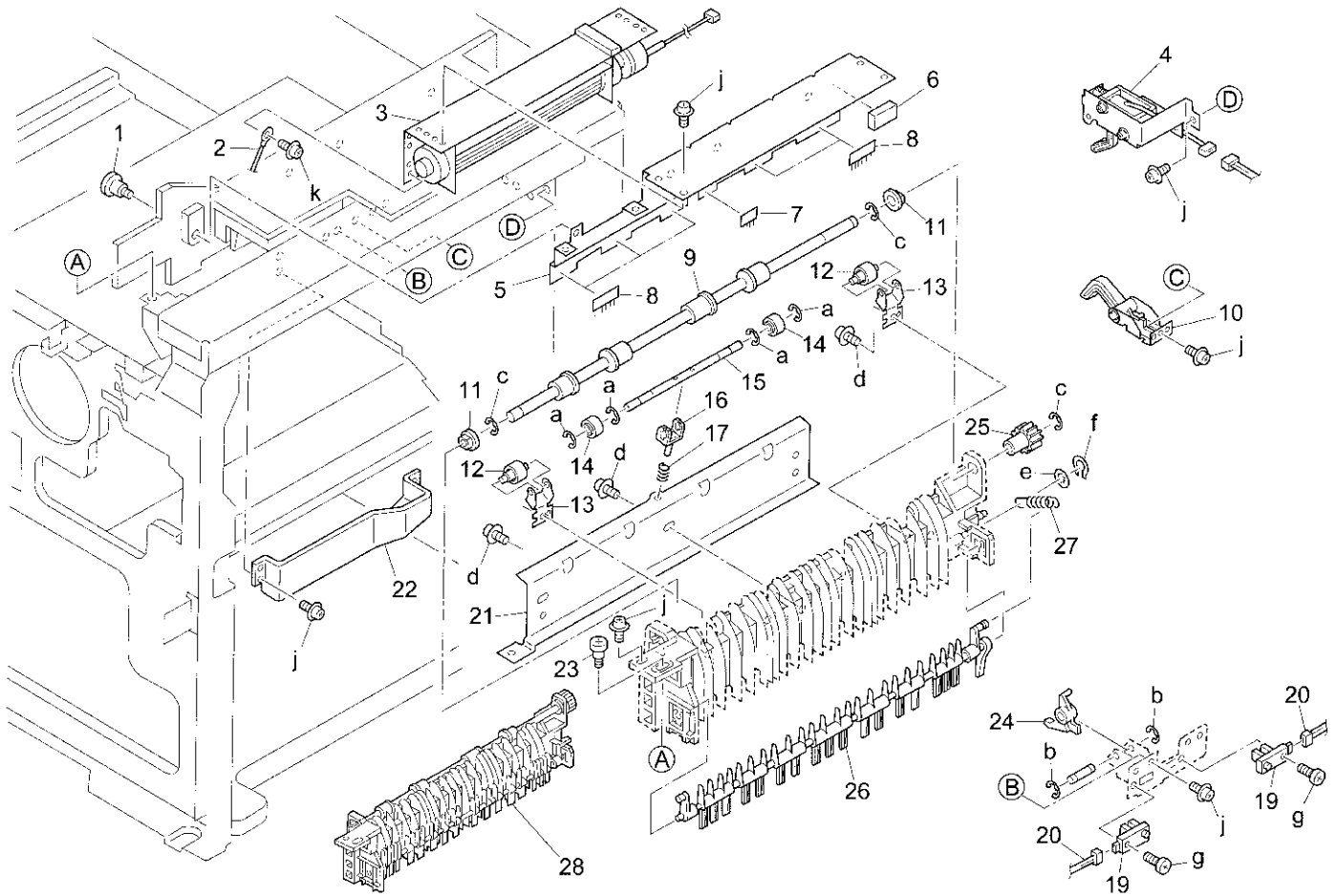
Manual feed unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA42330	Paper guide plate/front
2	26NA42340	Paper guide plate/rear
3	26NA42391	Paper regulating part/front
4	26NA42401	Paper regulating part/rear
5	26NA42170	Manual feed tray/upper
6	396040611	Rack plate
7	466077130	Pinion
8	26NA42440	Rack plate/A
9	540042120	Slide holder/1
10	26NA90450	Bypass feed detecting wiring
11	55WA85520	Photosensor/2
12	26NA97350	Manual feed label/2
13	26NA42450	Pinion/A (Z=124)
14	13FG-9330	Size detecting board assembly
15	26NA42320	Manual feed auxiliary tray
16	26NA42300	Manual feed cover
17	26NA-4290	Manual feed fulcrum plate assembly
18	26NA42490	Wiring plate
19	26NA42380	Manual feed open-close spring/rear
20	26NA42181	Manual feed tray/lower
21	26NA97270	Manual feed label/1
22	26NA42550	Magnet pressure plate
23	26NA42620	Manual feed sticking part/3

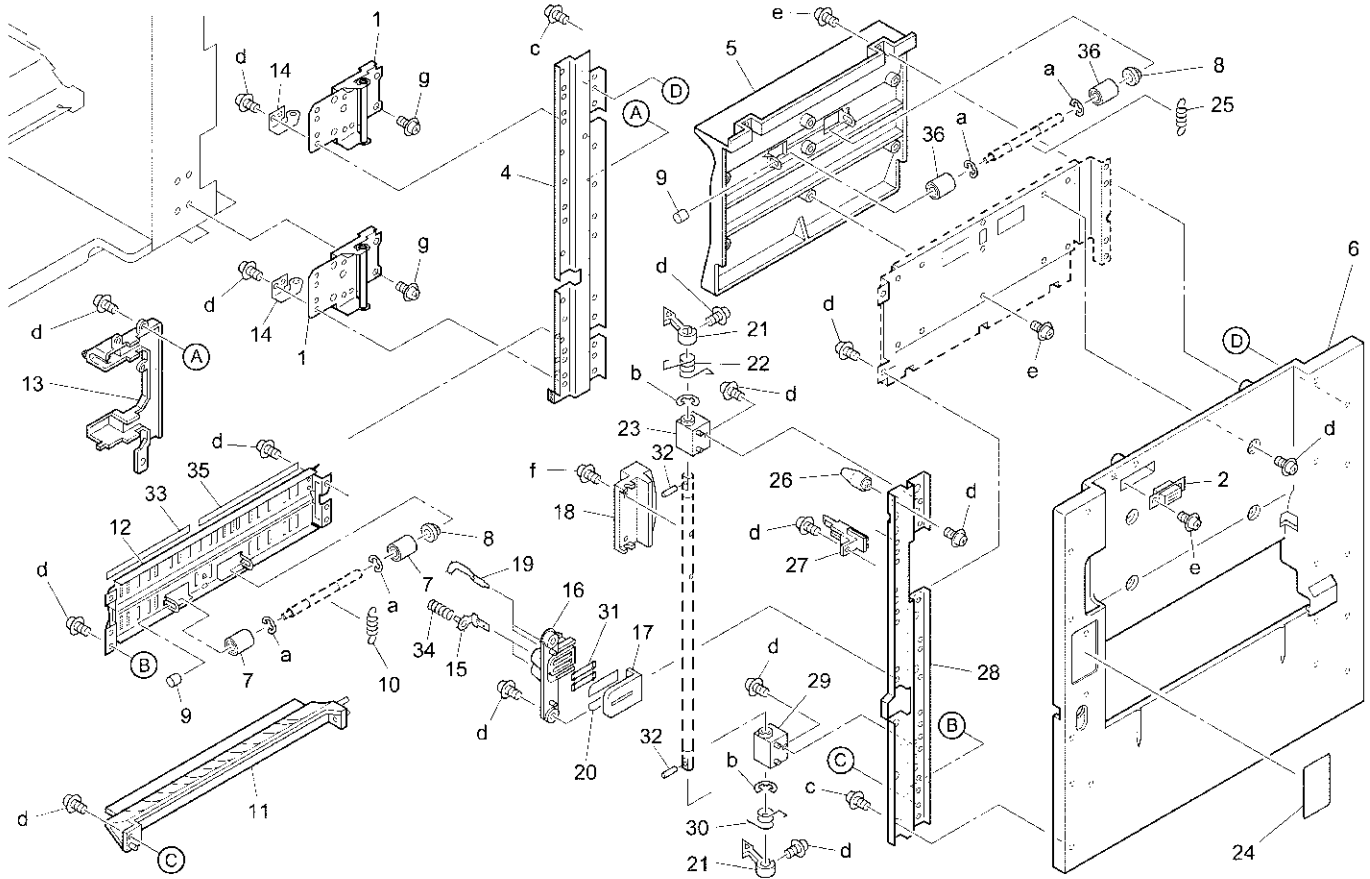
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z253082
c	00Z193061
d	00Z253181
e	00Z660306
f	00Z610301

Paper exit unit



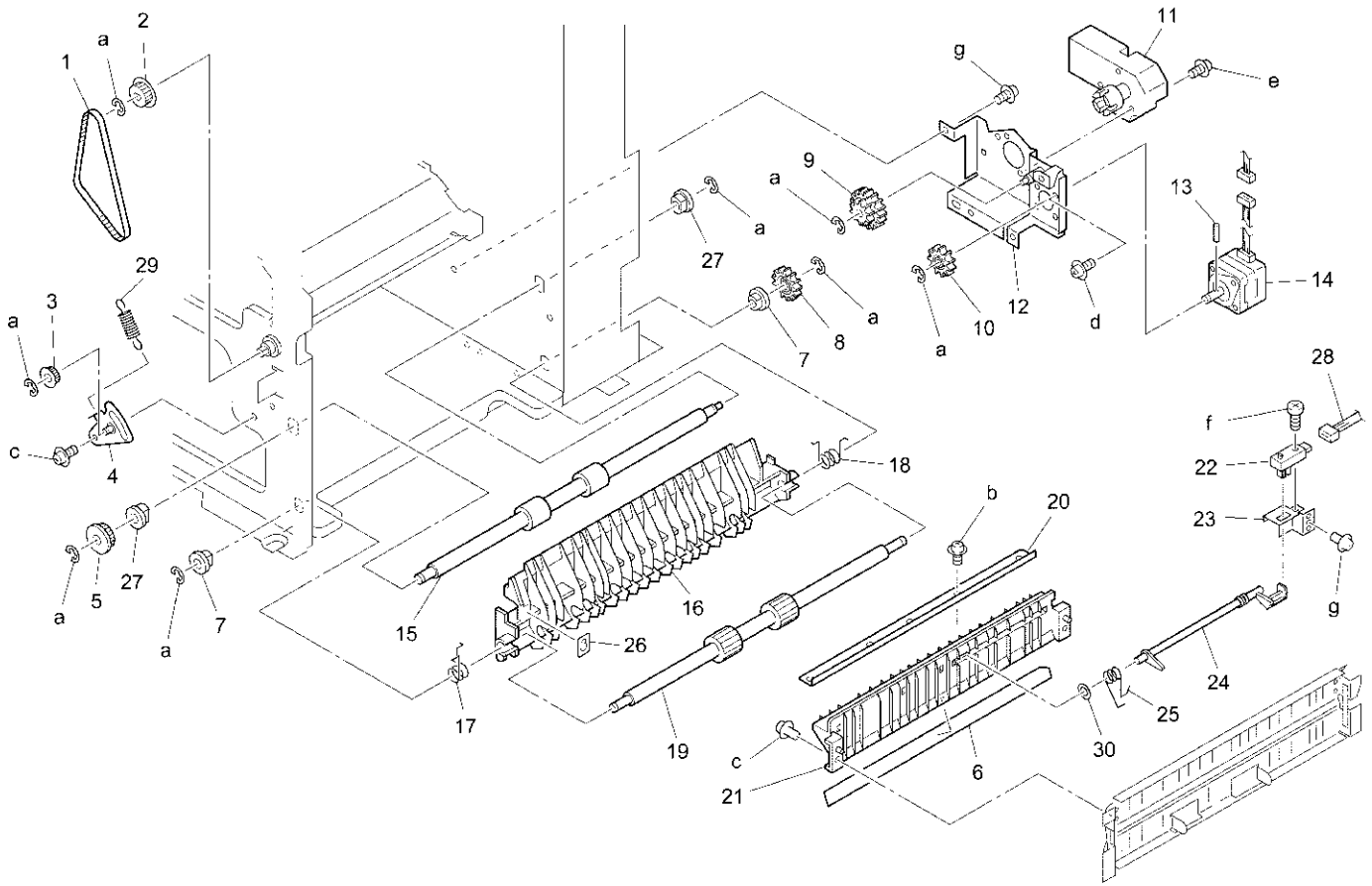
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12430	External fixed screw
2	26NA90470	Paper exit ground wiring
3	26NA-7390	Fan motor assembly
4	26NA-4870	ADU change solenoid assembly
5	26NA48190	Neutralizing plate
6	26NA12490	Cushion/C
7	26NA48220	Neutralizing brush/B
8	26NA48210	Neutralizing brush/A
9	26NA48020	Paper exit roller
10	26NA-4920	Paper exit sensor assembly/2
11	508053460	Paper exit slide shaft holder
12	26NA48120	Paper exit driven roller
13	26NA48130	Paper exit driven spring
14	26NA48070	Paper exit driven roller
15	26NA48081	Paper exit driven shaft
16	26NA48140	Paper exit driven part
17	26NA48100	Paper exit spring
18	*	Not used
19	552085510	Photosensor
20	26NA90170	Paper exit detecting wiring
21	26NA48010	Paper exit stay
22	26NA48260	Cover
23	26NA45440	Resist fixed screw
24	26NA48240	Paper exit actuator/2
25	26NA15740	Paper exit gear (Z=26)
26	26NA48250	Paper exit guide part
27	26NA48110	Tension spring
28	26NA-4801	Paper exit unit

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z670306
c	00Z670406
d	00Z253081
e	00Z610301
f	00Z660306
g	00Z193101
j	00Z193061
k	00Z183061



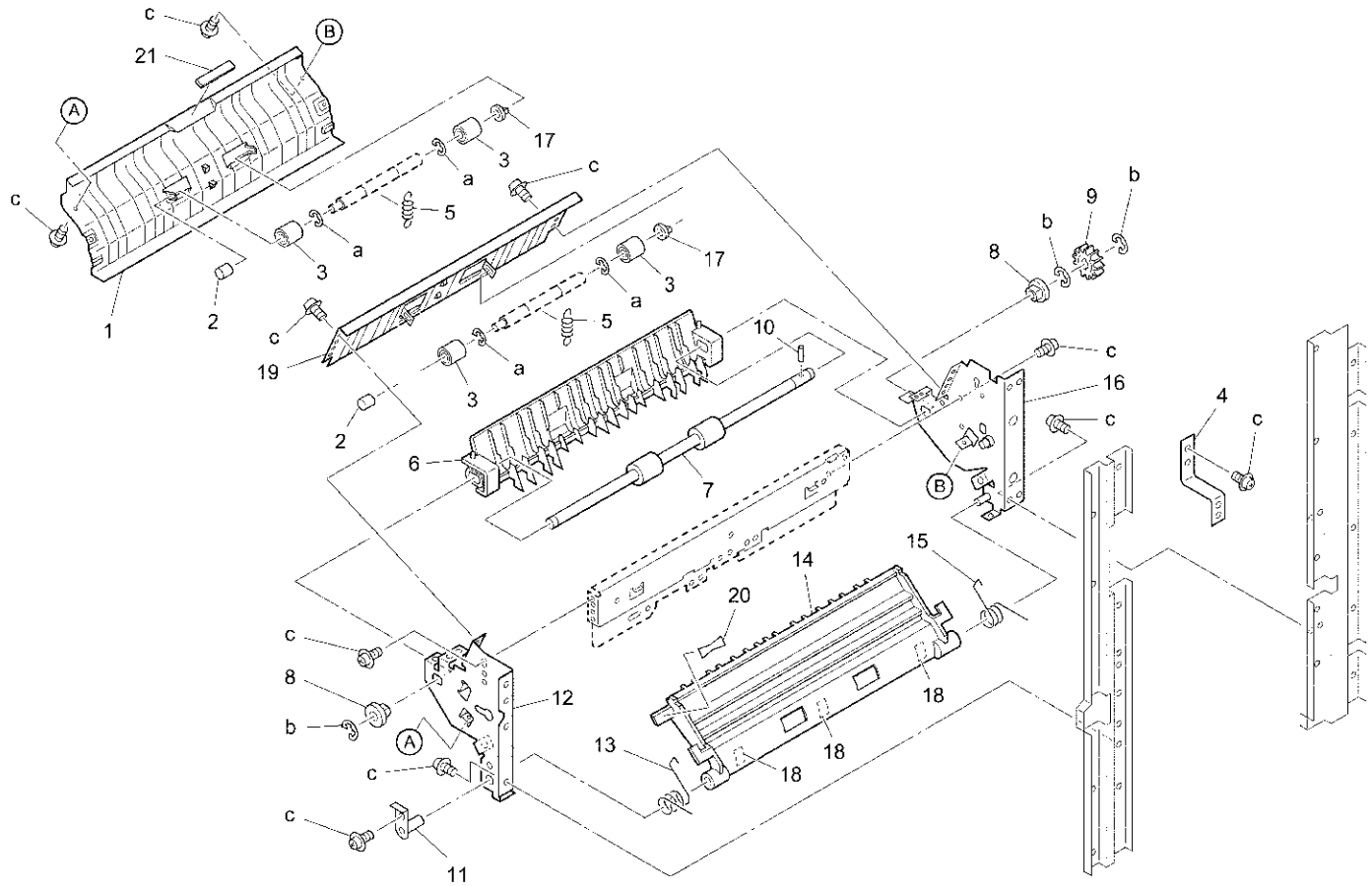
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-5040	Hinge assembly
2	059010620	Magnet catch
3	*	Not used
4	26NA-5080	ADU reinforcing stay/rear assembly
5	26NA50792	ADU guide plate/upper
6	26NA50010	ADU cover
7	26NA50290	Pressure roller
8	26NA51060	Driven shaft holder
9	552012250	Roller/B
10	26NA50900	Reversing spring
11	26NA50230	Conveyance guide part/lower
12	26NA50811	Conveyance guide plate/lower
13	26NA50660	Wiring cover
14	26NA50770	Hinge click plate
15	26NA-5260	High voltage part assembly
16	26NA50532	High voltage casing/B
17	26NA50521	High voltage casing/A
18	26NA50091	Open-close knob
19	26NA50460	High voltage part/upper
20	26NA50971	Insulating sheet
21	26NA50961	ADU lock claw
22	26NA50330	Conveyance lock spring
23	26NA50630	Shaft holder part/upper
24	26NA97410	ADU open close label
25	26NA50890	Conveyance pressure spring
26	26NA50721	ADU positioning pin/front
27	26NA50870	ADU open-close actuator
28	26NA50840	ADU reinforce stay/front
29	26NA5064 0	Shaft holder part/lower
30	26NA5076 0	Conveyance lock spring/lower
31	26NA5095 0	High voltage fixed part
32	46607801 0	Pin A
33	26NA5099 1	Conveyance sheet
34	26NA7325 1	Electrode connecting spring/A
35	26NA5102 0	Conveyance sheet/front
36	26NA5107 0	Pressure roller/upper

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z254081
d	00Z193061
e	00Z253081
f	00Z163101
g	00Z283061



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA50450	Driving belt (L=300)
2	26NA50430	Conveyance pulley/B (Z=28)
3	26NA50370	Idler pulley (Z=18)
4	26NA-5140	Tension plate assembly
5	26NA50420	Conveyance pulley/A (Z=28)
6	26NA50340	Reversal sheet
7	508053460	Paper exit slide shaft holder
8	26NA50150	Reversal gear (Z=29)
9	26NA50170	ADU idler gear (Z=23/38)
10	26NA50160	Motor gear (Z=24)
11	26NA80041	Cassette driving motor
12	26NA-5110	Motor mount plate assembly
13	113620600	Pin (A)
14	26NA80090	ADU driving motor
15	26NA50240	ADU guide roller
16	26NA50031	Guide part/lower
17	26NA50710	Lift-up spring/front
18	26NA50400	Lift-up spring
19	26NA50110	Reversal roller
20	26NA50680	Conveyance reinforcing plate
21	26NA50020	Guide part/middle
22	552085510	Photosensor
23	26NA50190	Sensor mount plate
24	26NA50070	Reversal actuator
25	26NA50360	Conveyance guide spring
26	26NA97450	Lever indication label/3
27	466076020	Paper feeding shaft holder
28	26NA90330	Sensor relay wiring/3
29	26NA51030	Tension spring
30	26NA50920	Reversal spacer

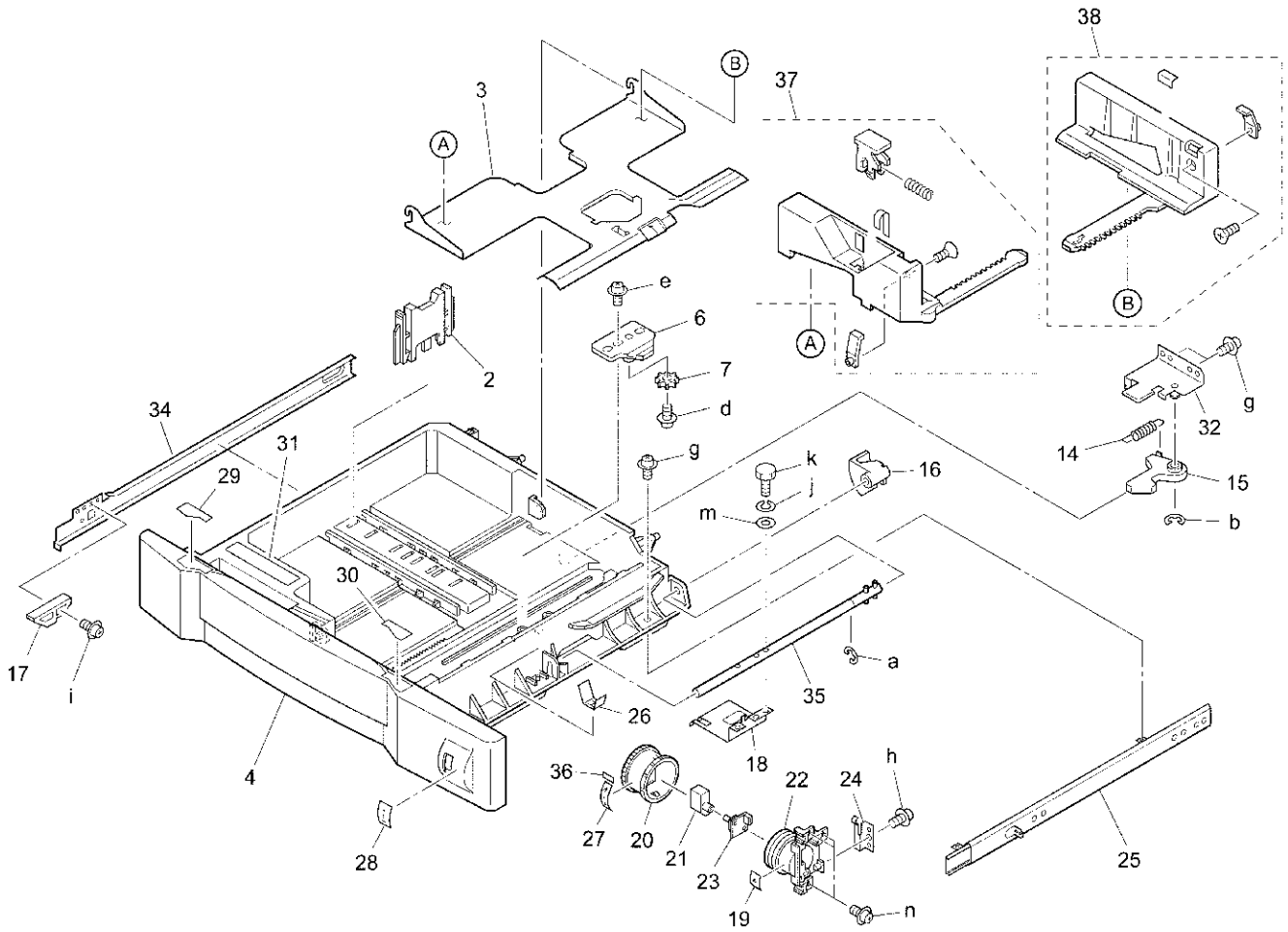
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z253081
c	00Z193061
d	00Z163061
e	00Z193201
f	00Z193101
g	00Z283061



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA50800	Conveyance guide plate/middle
2	552012250	Roller/B
3	26NA50290	Pressure roller
4	26NA50780	ADU open-close belt
5	26NA50890	Conveyance pressure spring
6	26NA50670	Paper guide part/upper
7	26NA42021	Manual feed conveyance roller
8	090075530	Bearing
9	26NA42061	Manual feed conveyance gear (Z=21)
10	304078040	Pin B
11	26NA-5160	Fulcrum plate assembly
12	26NA50570	ADU conveyance panel/front
13	26NA50540	Open-close spring/front
14	26NA50061	Paper guide part/lower
15	26NA50550	Open-close spring/rear
16	26NA-5151	ADU conveyance panel assembly
17	26NA51060	Driven shaft holder
18	26NA50910	Slide sheet
19	26NA50880	Conveyance guide plate/upper
20	26NA97370	Open-close label/upper
21	26NA42540	Manual feed sticking part/2

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670606
c	00Z193061

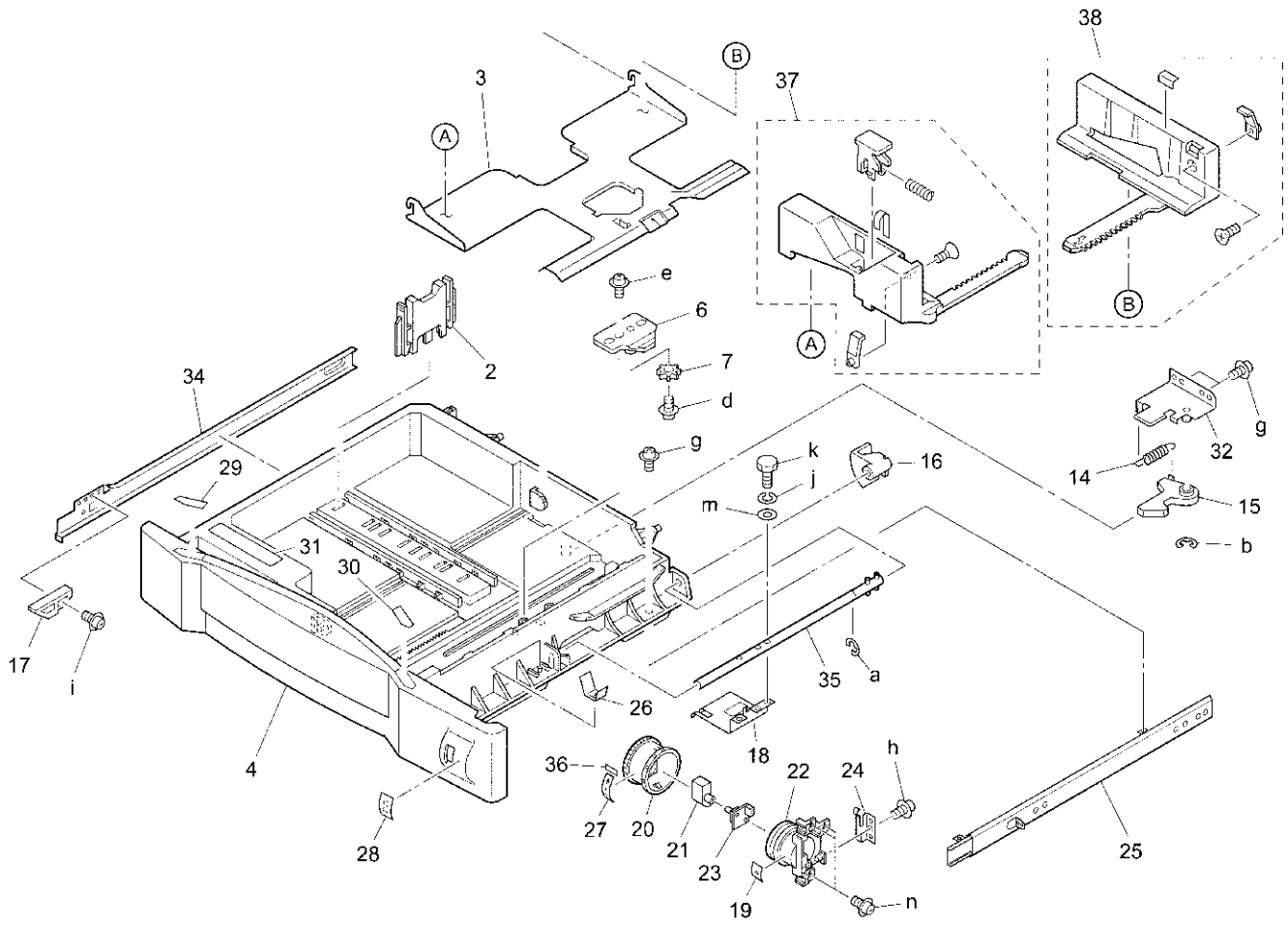
Upper cassette



REF. NO.	PART NUMBER	DESCRIPTION
1	*	Not used
2	26NA47040	Paper regulating plate/left
3	26NA-4740	Lift-up bottom plate assembly
4	26NA47013	Cassette base/upper
5	*	Not used
6	40AA47130	Adjusting plate
7	40AA77290	Pinion (Z=16)
8	*	Not used
9	*	Not used
10	*	Not used
11	*	Not used
12	*	Not used
13	*	Not used
14	26NA47390	Cassette fixed spring
15	25BA47461	Cassette positioning catch/U
16	26NA47291	Cassette remained detecting actuator
17	26NA47350	Cassette stopper
18	26NA47060	Paper lift-up plate
19	26NA97300	Cassette click label
20	26NA47260	Paper feed indication plate/front
21	26NA47240	Cassette detecting connector
22	26NA47250	Cassette detecting base
23	26NA-9200	Size detecting board assembly
24	26NA47280	Spring lock plate
25	26NA10061	Cassette rail/right
26	26NA47300	Ground plate
27	26NE97280	Cassette indication label/upper
28	26NA97390	Cassette indication label/1
29	26NA47310	Cassette cover plate/1
30	26NA47320	Cassette cover plate/2
31	26NA97310	Paper supply label
32	26NA-4780	Cassette lock assembly
33	*	Not used
34	26NA10070	Cassette rail/left
35	26NA-4760	Lift-up shaft assembly
36	26NA47380	Fixing seal
37	26NA-4721	Side regulating/front assembly
38	26NA-4730	Side regulating/rear assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
d	00Z254081
e	00Z254121
g	00Z283061
h	00Z253081
i	00Z183061
j	00Z620301
k	00Z463103
m	00Z610301
n	00Z193061

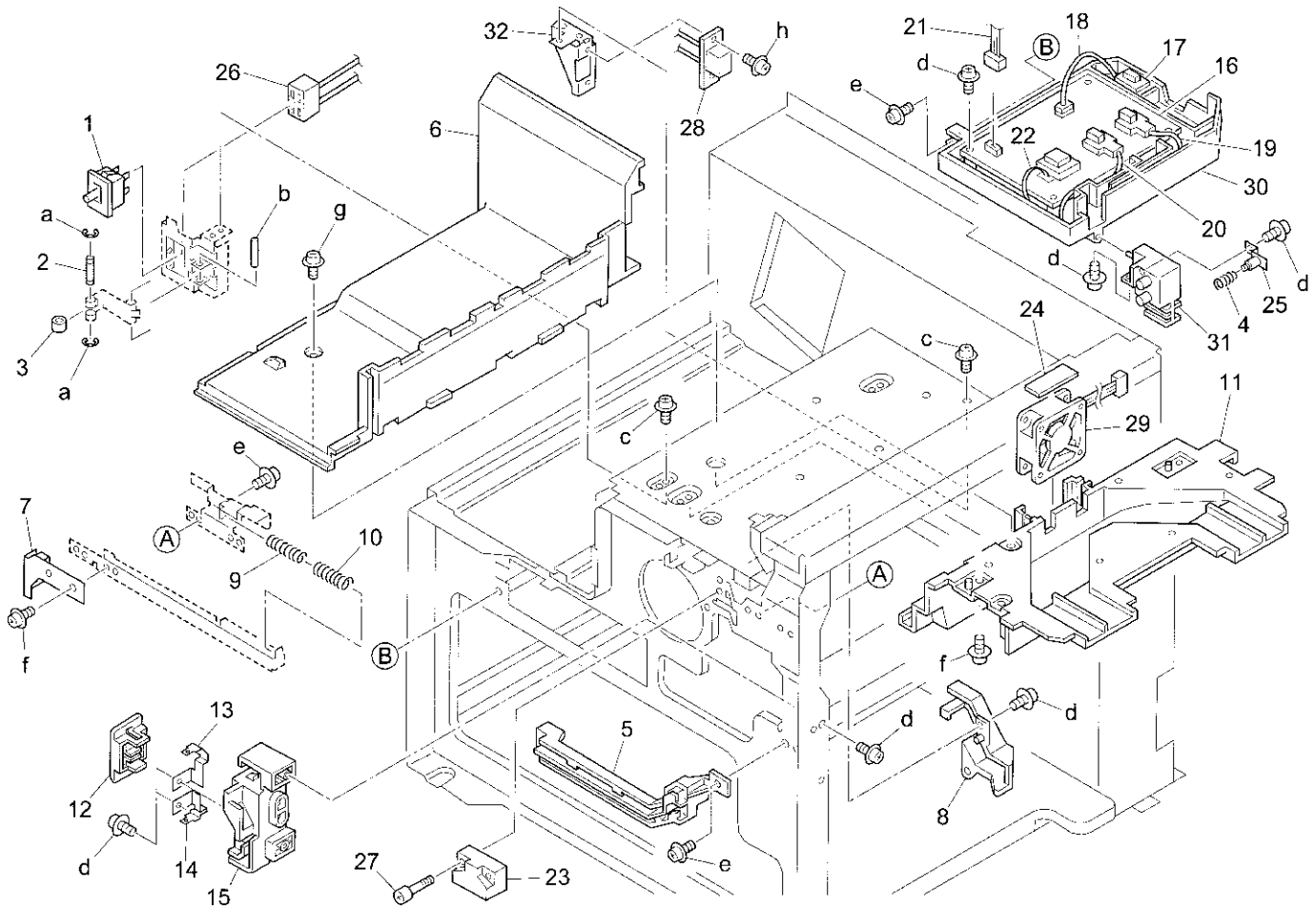
Lower cassette



REF. NO.	PART NUMBER	DESCRIPTION
1	*	Not used
2	26NA47040	Paper regulating plate/left
3	26NA-4740	Lift-up bottom plate assembly
4	26NA47023	Cassette base/lower
5	*	Not used
6	40AA47130	Adjusting plate
7	40AA77290	Pinion (Z=16)
8	*	Not used
9	*	Not used
10	*	Not used
11	*	Not used
12	*	Not used
13	*	Not used
14	26NA47390	Cassette fixed spring
15	25BA47461	Cassette positioning catch/U
16	26NA47291	Cassette remained detecting actuator
17	26NA47350	Cassette stopper
18	26NA47060	Paper lift-up plate
19	26NA97300	Cassette click label
20	26NA47260	Paper feed indication plate/front
21	26NA47240	Cassette detecting connector
22	26NA47250	Cassette detecting base
23	26NA-9200	Size detecting board assembly
24	26NA47280	Spring lock plate
25	26NA10061	Cassette rail/right
26	26NA47300	Ground plate
27	26NE97290	Cassette indication label/lower
28	26NA97400	Cassette indication label/2
29	26NA47330	Cassette cover plate/3
30	26NA47340	Cassette cover plate/4
31	26NA97310	Paper supply label
32	26NA-4780	Cassette lock assembly
33	*	Not used
34	26NA10070	Cassette rail/left
35	26NA-4760	Lift-up shaft assembly
36	26NA47380	Fixing seal
37	26NA-4721	Side regulating/front assembly
38	26NA-4730	Side regulating/rear assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
d	00Z254081
e	00Z254121
g	00Z283061
h	00Z253081
i	00Z183061
j	00Z620301
k	00Z463103
m	00Z610301
n	00Z193061

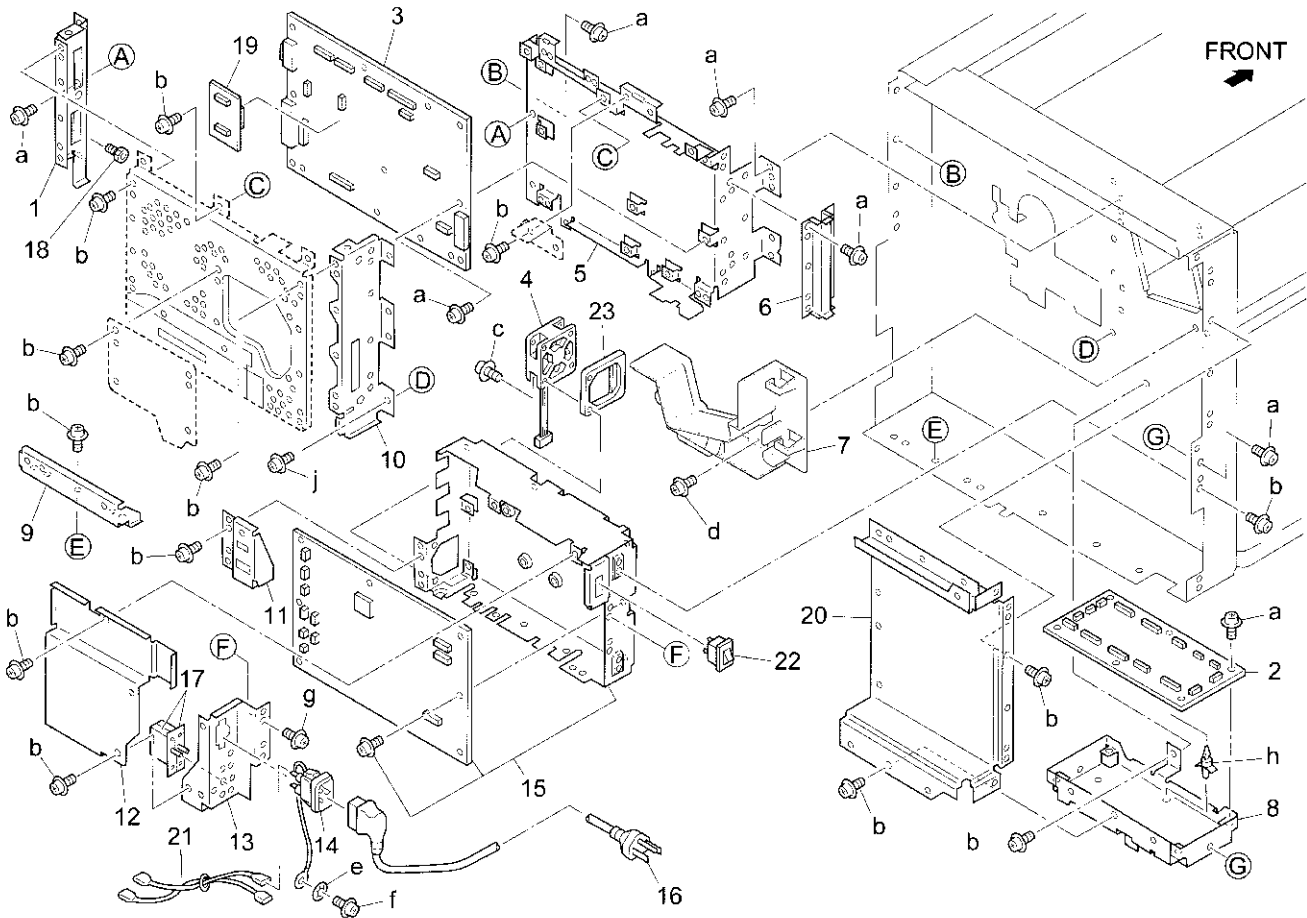
Electric parts



REF. NO.	PART NUMBER	DESCRIPTION
1	40AA85010	Door switch
2	25HA73200	Switch guide shaft
3	25HA73210	Switch guide roller
4	26NA73251	Electrode connecting spring/A
5	26NA73200	Wiring support part
6	26NA73331	Fan cover
7	26NA73070	Switch pressure plate
8	26NA73061	Cord cover
9	25HA73131	Switch spring/B
10	25HA73121	Switch spring/A
11	26NA73210	Fan casing/A
12	26NA73500	High voltage cover plate/A
13	26NA73131	Connecting plate/A
14	26NA73471	Connecting plate/C
15	26NA73151	Contact support plate
16	26NA84010	High voltage power source
17	26NA88030	Sensor
18	26NA90320	Sensor relay wiring/2
19	26NA90360	High voltage wiring/1
20	26NA90370	High voltage wiring/2
21	26NA90280	High voltage relay wiring
22	26NA90380	High voltage wiring/3
23	26NA90080	Drum relay wiring
24	26NA73810	Fan seal/1
25	26NA-7510	High voltage connecting plate/B assembly
26	26NA90270	DC inter lock wiring
27	066079020	Drawer
28	26NA90060	Fixing relay wiring
29	26NA80510	Main fan motor
30	26NA73270	High voltage mount plate
31	26NA73510	Contact support plate/B
32	26NA73360	Wiring mount plate/B

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z713206
c	00Z193041
d	00Z253081
e	00Z283061
f	00Z193061
g	00Z193062
h	00Z194081

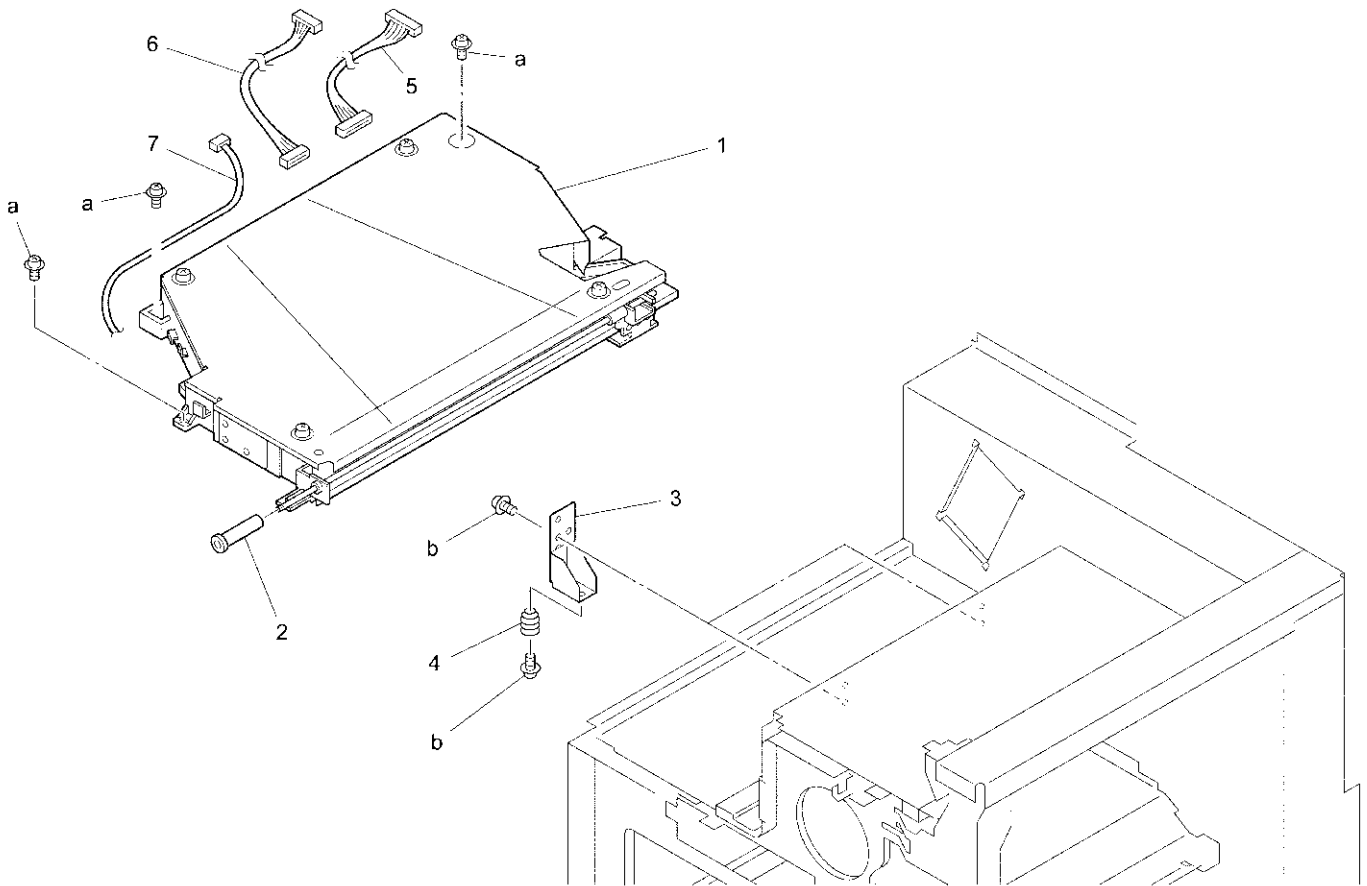
Electric parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA73240	Board cover plate/B
2	26NA-9022	Main driving board assembly
3	26NA-9303	System control board unit (7020)
3	26PA-9303	System control board unit (7030)
3	26SA-9301	System control board unit (7025)
4	26NA80510	Main fan motor
5	26NA73010	Board mount plate
6	26NA73370	Wiring cover plate
7	26NA73021	Protect cover
8	26NA73380	Board mount plate/B
9	26NA73420	Board mount plate/C
10	26NA73260	Board cover plate/C
11	26NA73290	Wiring mount plate/A
12	26NA73460	Power source cover plate
13	26NA73410	Cord mount plate
14	26NA-7520	Power socket assembly
15	26NA84510	DC power source/1
16	26NE88610	Power source cord
17	26NA88460	Breaker
18	26NA73570	Contact fixing screw/A
19	26NA-9110	Parameter memory board assembly
20	26NA73280	Board cover/D
21	26NA90110	AC power source wiring
22	55GA86010	Power source switch
23	26NA73610	Fan spacer

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193041
b	00Z193061
c	00Z193351
d	00Z283061
e	00Z630406
f	00Z184065
g	00Z164081
h	00Z925104

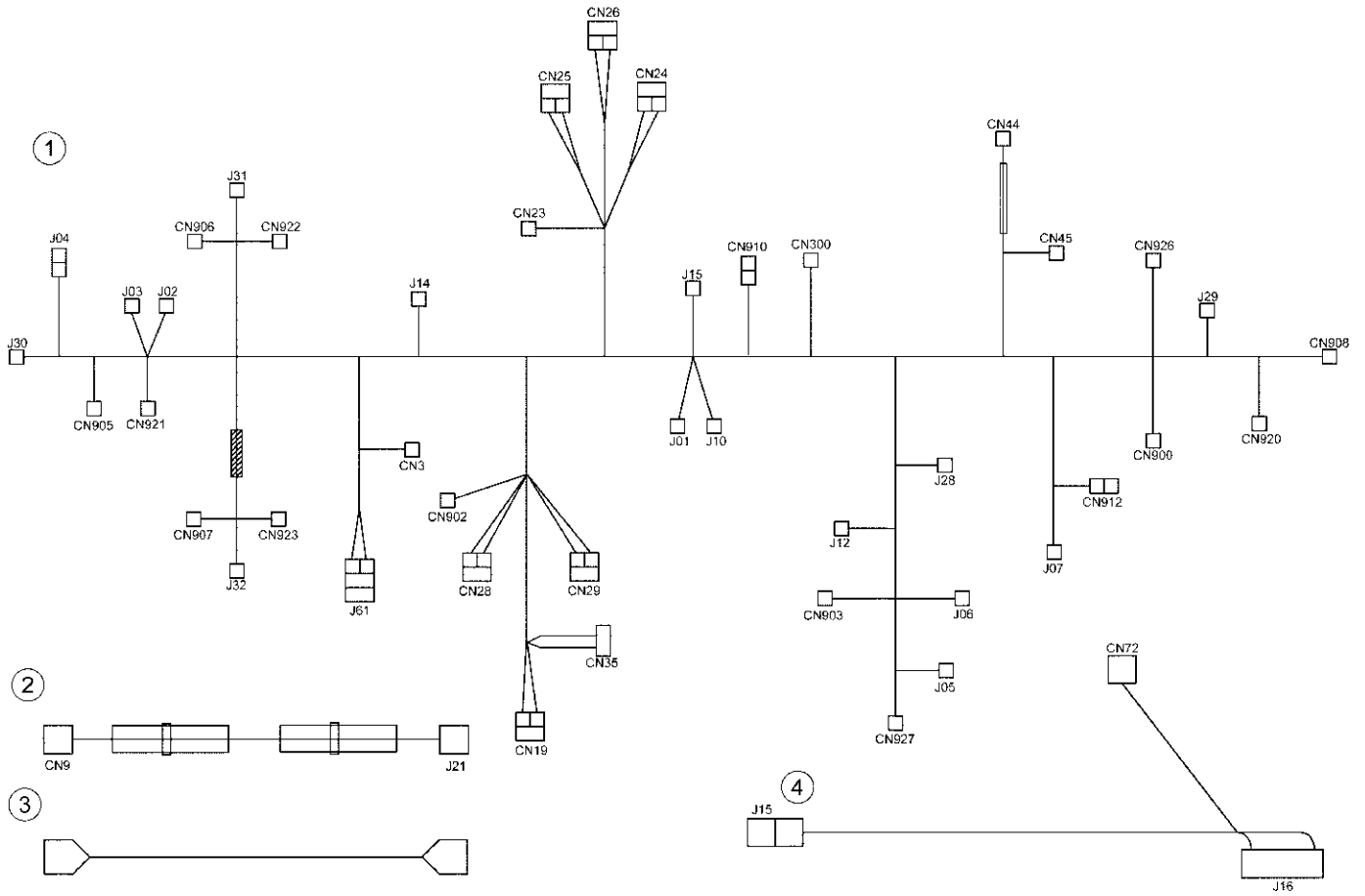
Writing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-6503	Writing unit
2	26NA65260	Writing cleaner knob
3	26NA65280	Writing mount part
4	26NA65290	Writing mount spring
5	26NA90390	LD relay wiring/2
6	26NA90180	Polygon relay wiring
7	26NA90240	INDEX driving wiring

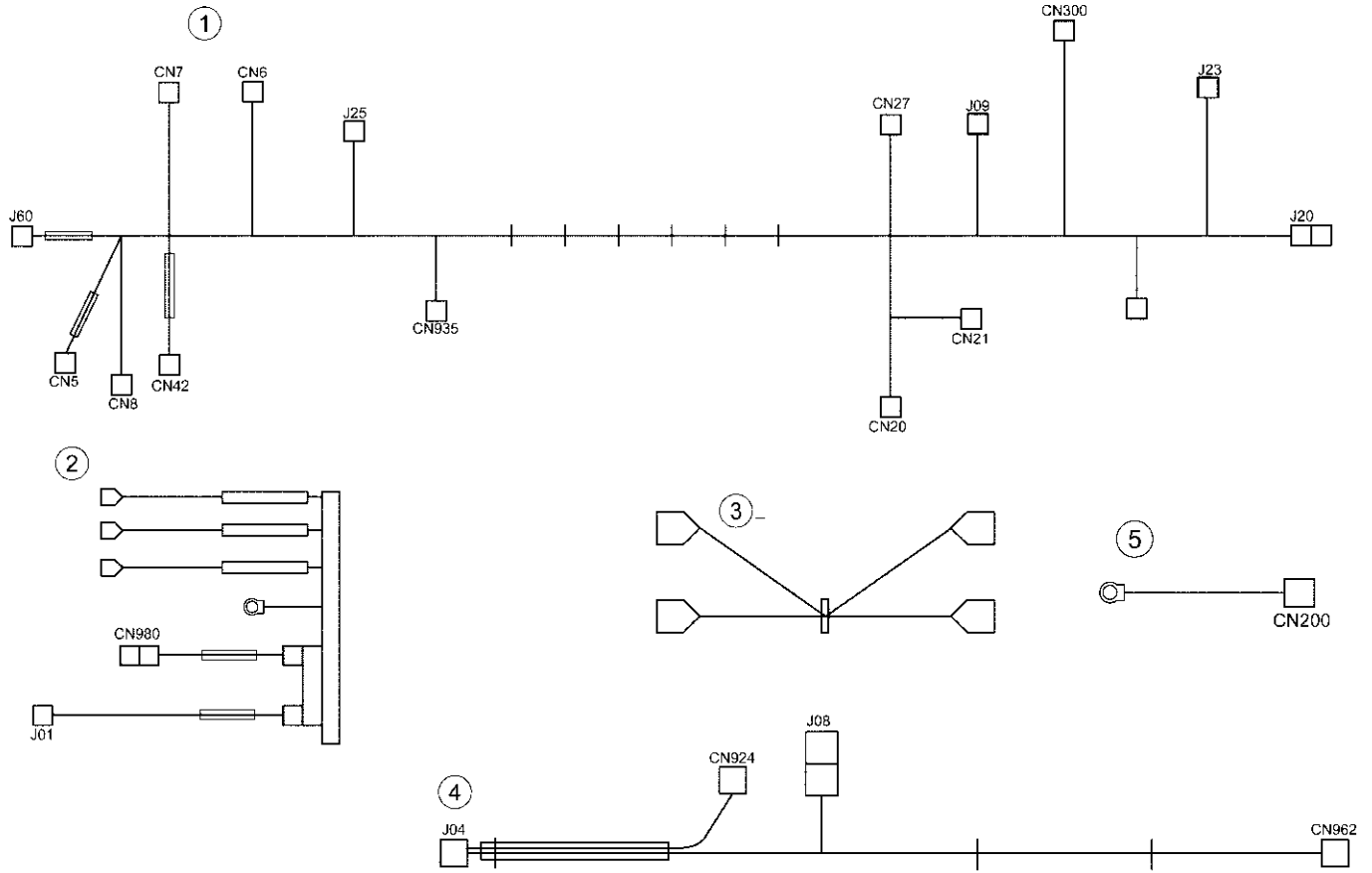
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z163101
b	00Z193061

Wiring



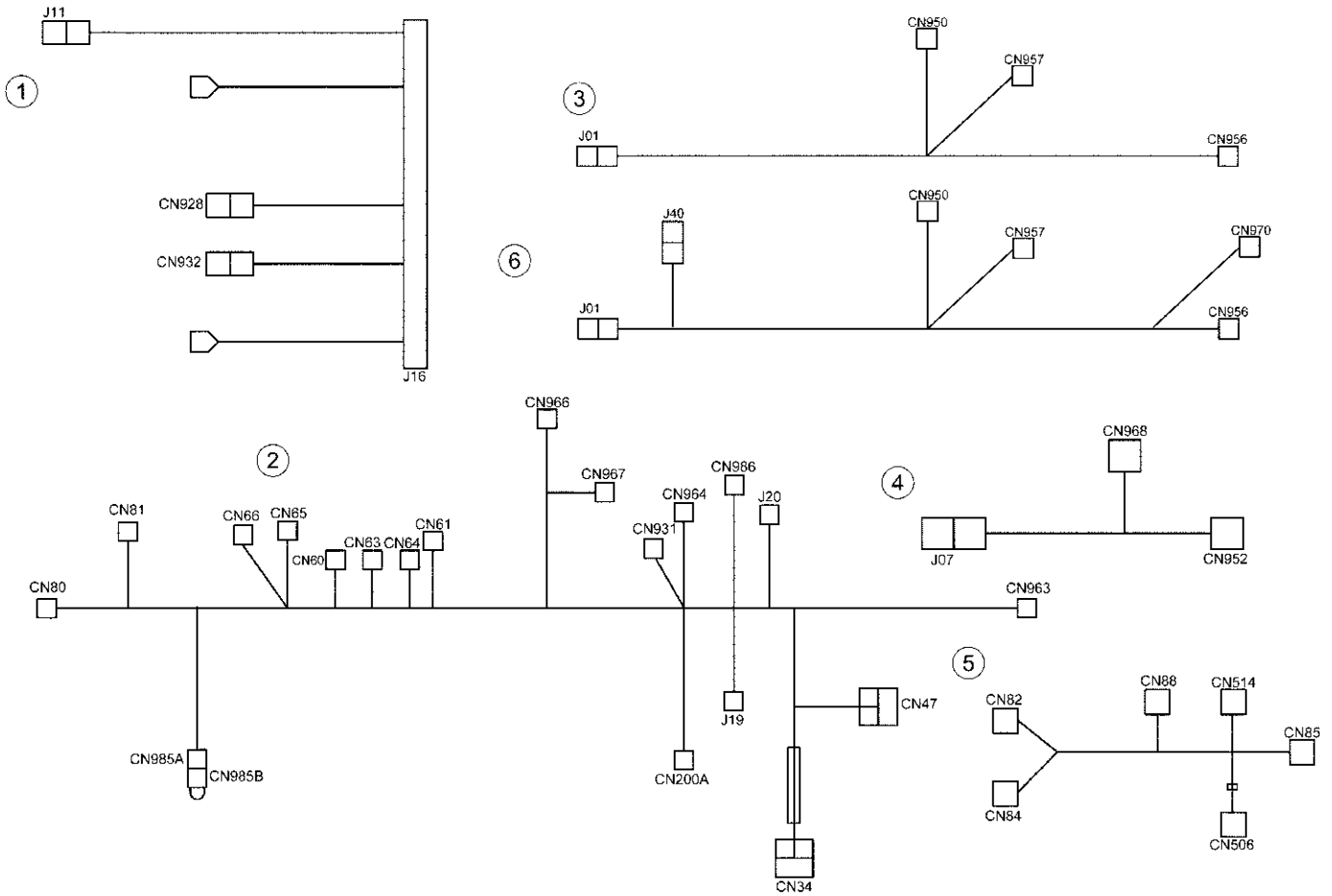
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90012	Main wiring (7020)
1	26PA90011	Main wiring (7030)
1	26SA90010	Main wiring (7025)
2	26NA90020	Heater relay wiring
3	26NA90040	Fuse cord/1
4	26NA90080	Drum relay wiring

Wiring



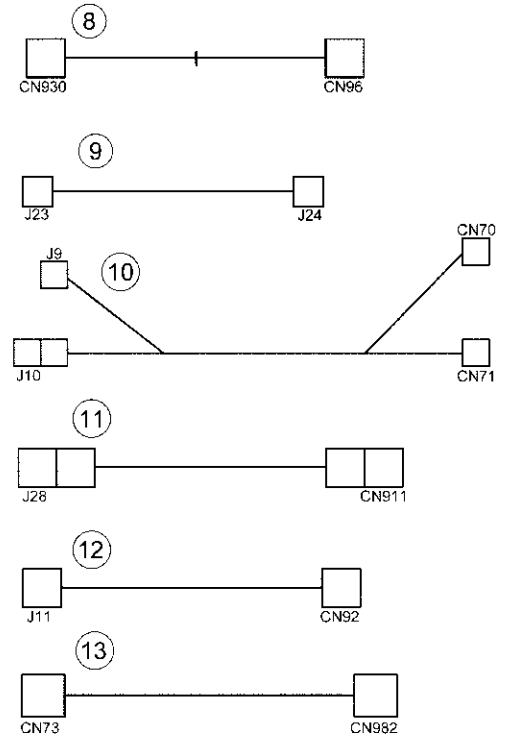
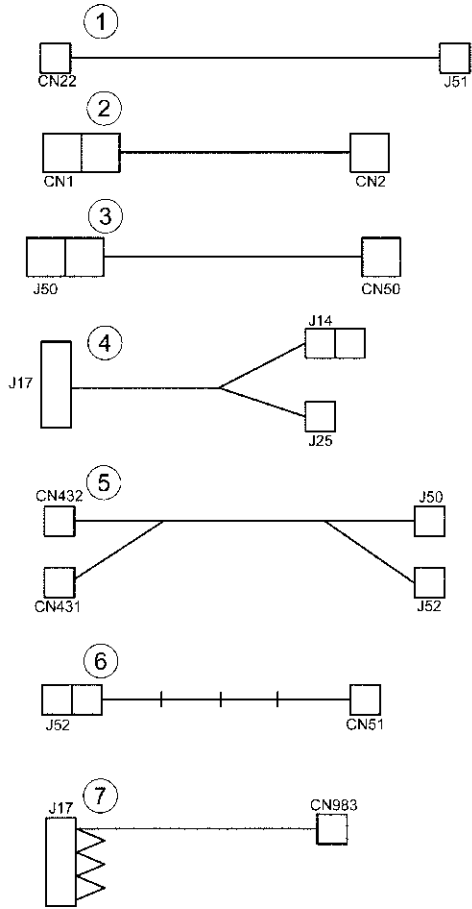
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90031	DC power source wiring
2	26NA90051	Fixing electrify wiring
3	26NA90110	AC power source wiring
4	26NA90140	Manual feed wiring
5	26NA90420	Option wiring/1

Wiring



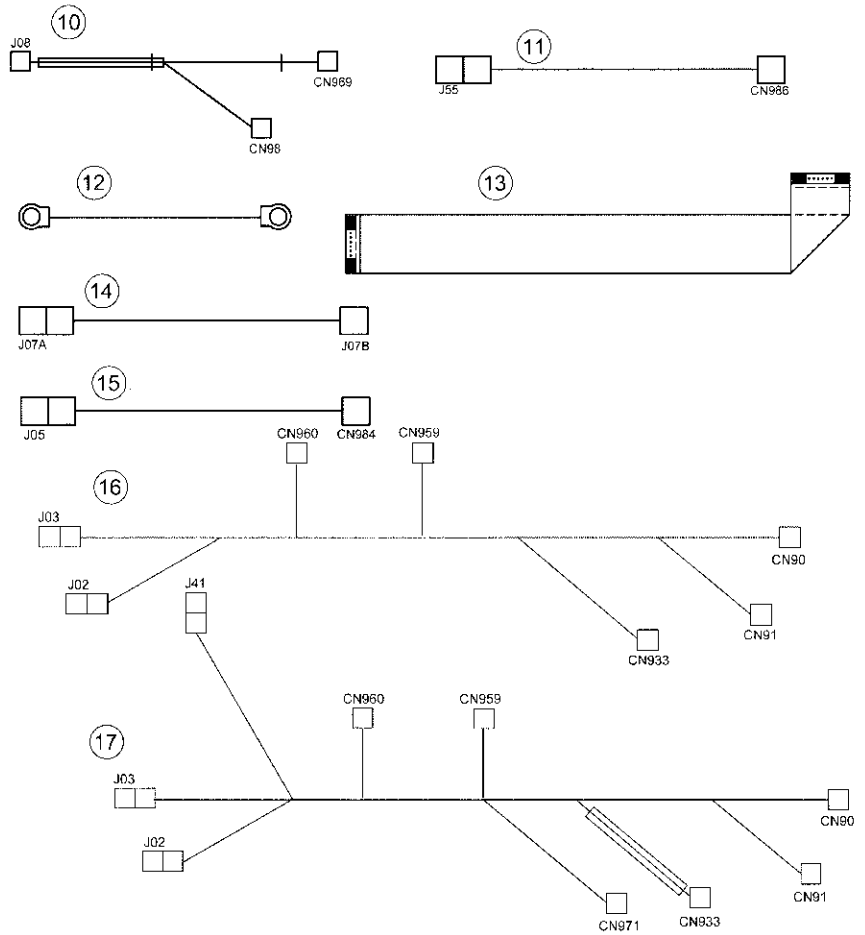
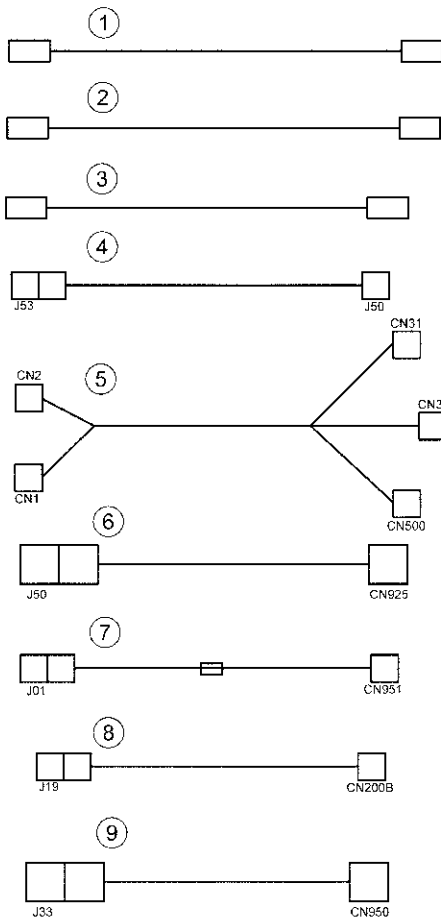
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90070	Drum wiring
2	26NA90091	Optics wiring
3	26NA90120	Paper feed wiring/upper (7020/7025)
4	26NA90170	Paper exit detecting wiring
5	26NA90160	Operation wiring/2
6	26PA90120	Paper feed wiring/upper (7030)

Wiring



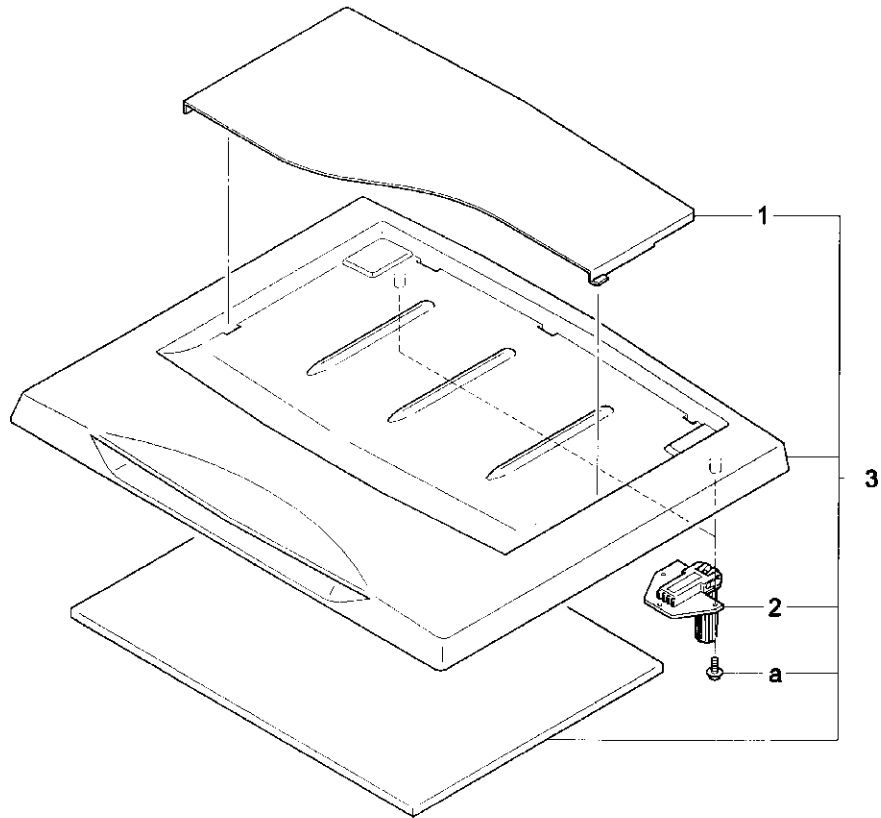
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90180	Polygon relay wiring
2	26NA90330	Sensor relay wiring/3
3	26NA90210	LD driving wiring
4	26NA90340	Developing relay wiring
5	26NA90230	LD relay wiring/1
6	26NA90240	INDEX driving wiring
7	26NA90250	Developing wiring
8	26NA90260	Lamp relay wiring
9	26NA90270	DC interlock wiring
10	26NA90280	High voltage relay wiring
11	26NA90300	Relay wiring
12	26NA90310	Sensor relay wiring/1
13	26NA90320	Sensor relay wiring/2

Wiring



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90360	High voltage wiring/1
2	26NA90370	High voltage wiring/2
3	26NA90380	High voltage wiring/3
4	26NA90390	LD relay wiring/2
5	26NA90401	System power source wiring
6	26NA90410	Web relay wiring
7	26NA90490	Fixing relay wiring/2
8	26NA90430	Option relay wiring/2
9	26NA90440	Resist relay wiring
10	26NA90450	Bypass feed detecting wiring
11	26NA90460	Total counter relay wiring
12	26NA90470	Paper exit ground wiring
13	26NA90500	A/D wiring
14	26NA90480	Paper exit relay wiring
15	26NA90190	Toner supply wiring
16	26NA90130	Paper feed wiring/lower (7020/7025)
17	26PA90130	Paper feed wiring/lower (7030)

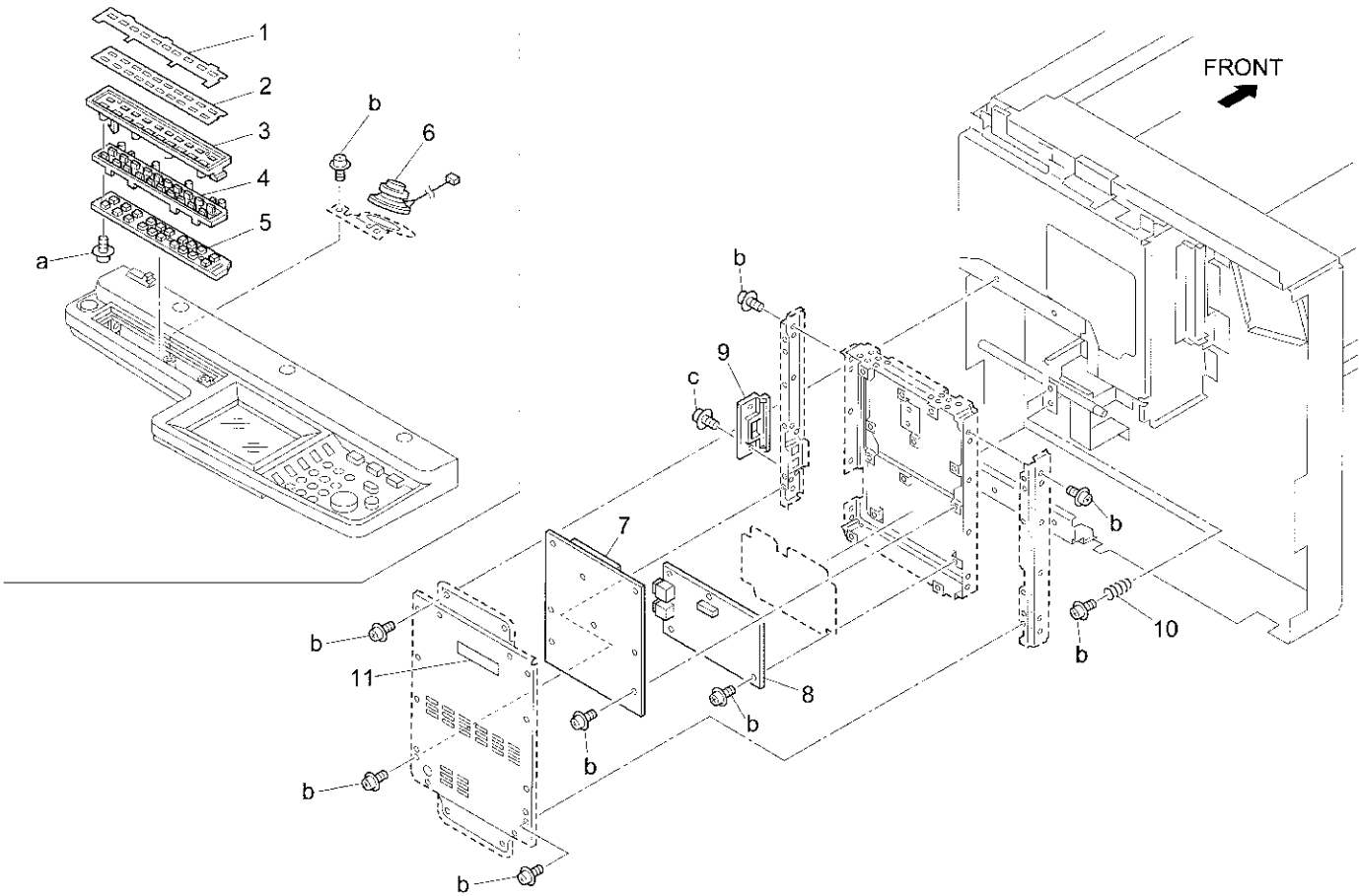
Platen cover



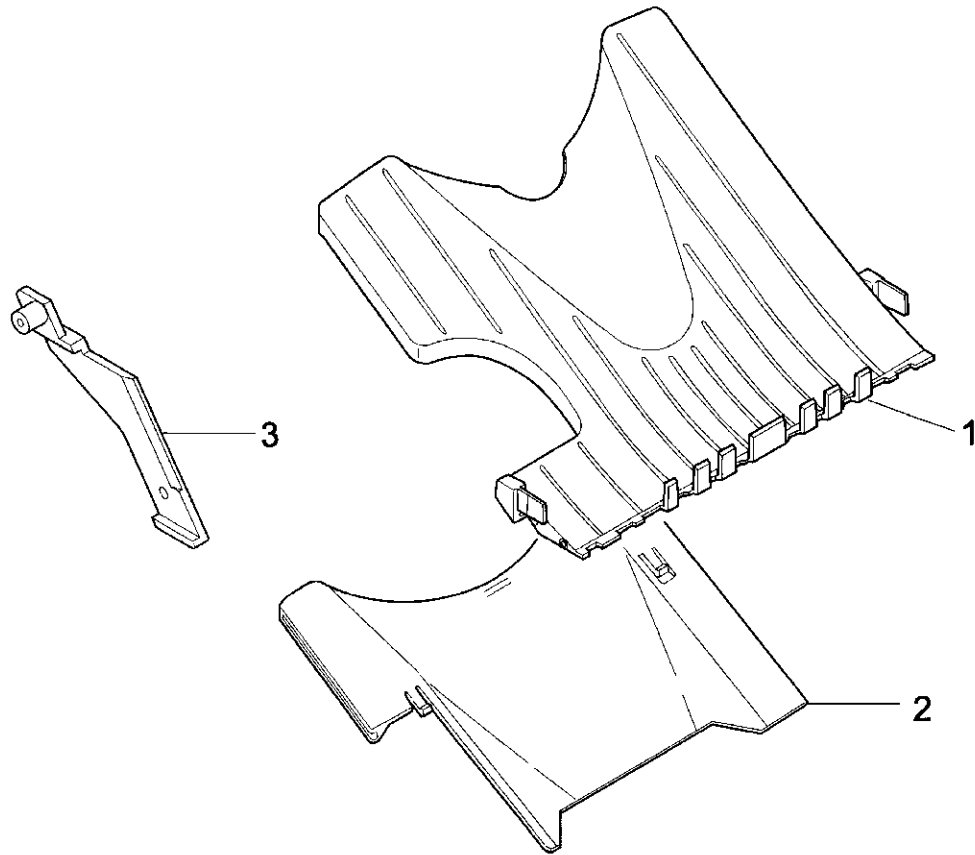
REF. NO.	PART NUMBER	DESCRIPTION
1	13HL14070	Original cover/upper
2	13HL14040	Original cover hinge
3	13HL-1400	Original cover assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z254101

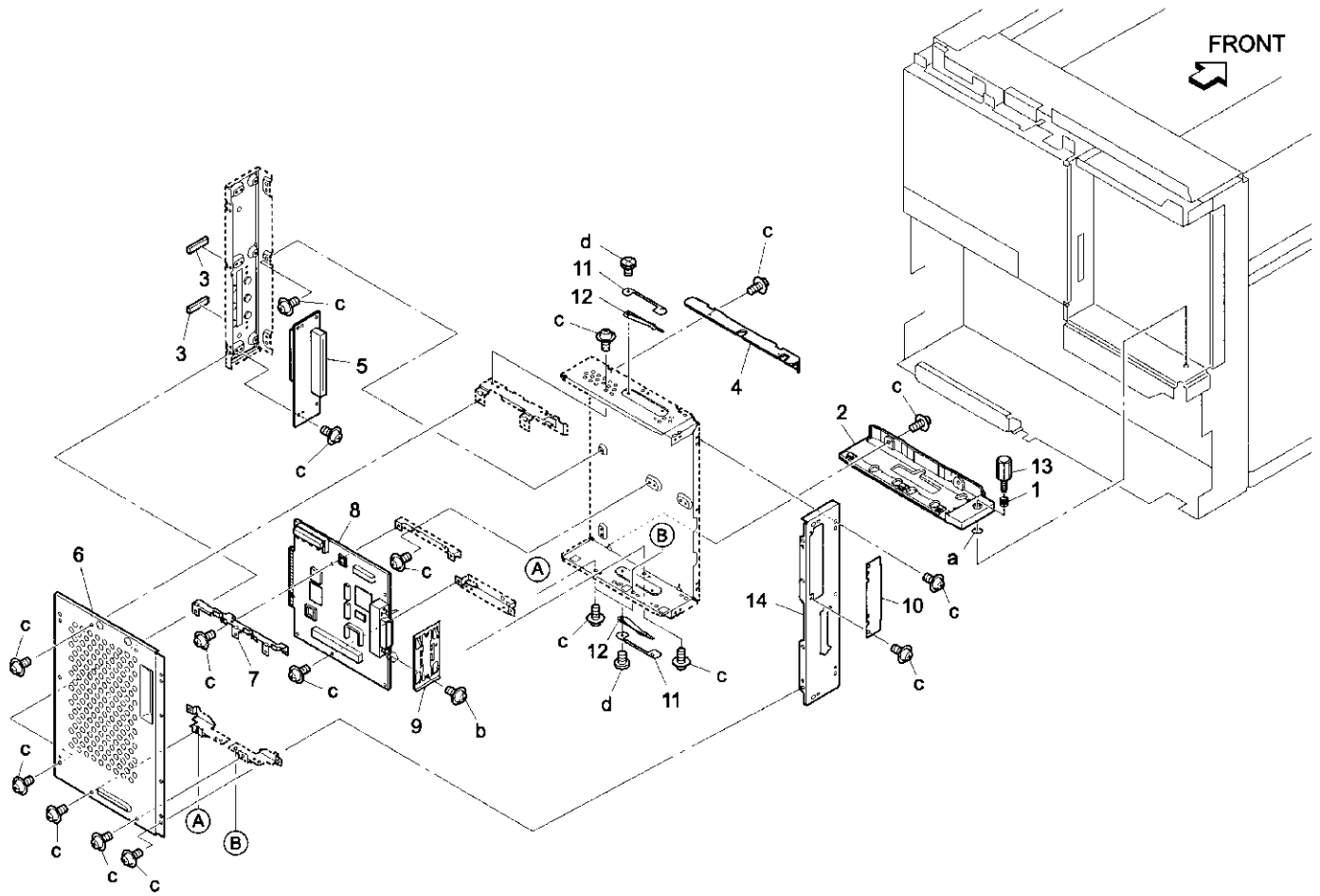
Fax kit



REF. NO.	PART NUMBER	DESCRIPTION
1	13FQ70020	Cover sheet
2	13FQ70030	Sheet
3	13FQ70010	Board mount plate
4	13FQ70040	Operation button
5	13FQ-9030	Option operating board
6	13FQ82510	Monitor speaker
7	13FQ-9010	FAX control board
8	13FQ-9020	NUC board/Q
9	13FQ73050	Side cover
10	13FQ73070	Ground spring/A
11	13FQ73100	Electricfy seal



REF. NO.	PART NUMBER	DESCRIPTION
1	13GQ48010	Paper exit tray/A
2	13GQ48020	Paper exit tray/B
3	13GS10010	Support part



REF. NO.	PART NUMBER	DESCRIPTION
1	13FM73191	Auxiliary spring
2	13FM73131	Slide part/lower
3	13FM73200	Electricity seal
4	13FM73140	Slide part/upper
5	13FM-9021	Printer relay board assembly/1
6	13FM73040	Board cover plate/A
7	13FM73100	Board support plate/E
8	13FM-9011	Printer control board assembly
9	13FM73180	Ground spring/3
10	13FM73090	Cover plate/1
11	13FM73110	Spring hold plate
12	13FM73170	Ground spring/2
13	450011270	Screw
14	13FM73030	Board mount plate/C

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z113065
c	00Z193041
d	00Z183042

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ADU conveyance panel/front	69	12	Cassette click label	71	19	Cleaner shaft assembly	29	17
ADU cover	65	6	Cassette click label	73	19	Cleaning blade assembly	23	20
ADU driving motor	67	14	Cassette cover plate/1	71	29	Clutch gear/1 (Z=27)	19	13
ADU guide plate/upper	65	5	Cassette cover plate/2	71	30	Clutch gear/1 (Z=27)	45	2
ADU guide roller	67	15	Cassette cover plate/3	73	29	Clutch lock gear (Z=10)	59	38
ADU idler gear (Z=23/38)	67	9	Cassette cover plate/4	73	30	Clutch standard gear	59	39
ADU lock claw	65	21	Cassette detecting base	71	22	Collar	49	35
ADU open close label	65	24	Cassette detecting base	73	22	Collect cover/C assembly	25	11
ADU open-close actuator	65	27	Cassette detecting connector	71	21	Collecting gear (Z=54)	15	3
ADU open-close belt	69	4	Cassette detecting connector	73	21	Collecting shaft assembly	15	5
ADU positioning pin/front	65	26	Cassette driving motor	17	34	Connecting plate/A	75	13
ADU reinforce stay/front	65	28	Cassette driving motor	67	11	Connecting plate/C	75	14
ADU reinforcing stay/rear assembly	65	4	Cassette fixed spring	71	14	Contact fixing screw/A	77	18
APS sensor/2	11	3	Cassette fixed spring	73	14	Contact support plate	75	15
Accessories holder panel	7	25	Cassette indication label/1	71	28	Contact support plate/B	75	31
Adjusting plate	71	6	Cassette indication label/2	73	28	Conveyance auxiliary roller	23	6
Adjusting plate	73	6	Cassette indication label/lower	73	27	Conveyance drive gear (Z=21/21)	53	29
Agitate coupling	31	10	Cassette indication label/upper	71	27	Conveyance guide part	45	9
Agitate coupling/A	31	3	Cassette lock assembly	71	32	Conveyance guide part/lower	65	11
Agitate gear/A (Z=22)	31	16	Cassette lock assembly	73	32	Conveyance guide plate/lower	65	12
Agitate gear/B (Z=22)	31	15	Cassette positioning catch/U	71	15	Conveyance guide plate/middle	69	1
Agitate screw assembly	35	6	Cassette positioning catch/U	73	15	Conveyance guide plate/upper	69	19
Agitating coupling/B	15	35	Cassette rail/left	3	25	Conveyance guide sheet	5	24
Agitating gear (Z=19/30)	21	18	Cassette rail/left	71	34	Conveyance guide sheet /2 assembly	53	38
Agitating gear/A (Z=35)	15	17	Cassette rail/left	73	34	Conveyance guide spring	67	25
Auxiliary part assembly	53	22	Cassette rail/right	3	12	Conveyance knob	45	20
B			Cassette rail/right	71	25	Conveyance lock spring	65	22
Bearing	17	3	Cassette rail/right	73	25	Conveyance lock spring/lower	65	30
Bearing	57	7	Cassette remained detecting actuator	71	16	Conveyance open-close shaft	45	19
Bearing	69	8	Cassette remained detecting actuator	73	16	Conveyance pressure spring	41	34
Belt (Z=370)	15	13	Cassette stopper	3	5	Conveyance pressure spring	65	25
Belt tension roller	15	12	Cassette stopper	71	17	Conveyance pressure spring	69	5
Blade pressure spring	23	14	Cassette stopper	73	17	Conveyance pulley/A (Z=28)	67	5
Board cover	13	33	Caution label	7	20	Conveyance pulley/B (Z=28)	67	2
Board cover plate/B	77	1	Charging block/front	27	4	Conveyance reinforcing plate	67	20
Board cover plate/C	77	10	Charging block/rear	27	9	Conveyance roller	45	13
Board cover/D	77	20	Charging cleaning assembly	27	12	Conveyance roller	53	18
Board mount plate	77	5	Charging cleaning knob	27	3	Conveyance sheet	65	33
Board mount plate/2 assembly	11	13	Charging control plate	27	2	Conveyance sheet/front	65	35
Board mount plate/B	77	8	Charging corona unit	27	14	Conveyance spacer	17	27
Board mount plate/C	77	9	Charging discharge plate assembly	27	13	Conveyance stopper	45	1
Breaker	77	17	Charging electrify plate/A assembly	21	9	Conveyance support plate assembly	55	14
Bypass feed detecting wiring	61	10	Charging electrify plate/B assembly	21	2	Conveyance unit	45	21
Bypass feed detecting wiring	89	10	Charging electrode plate	27	6	Cooling cover/A assembly	3	16
Bypass feed guide plate/upper	57	28	Charging input spring	21	3	Cooling cover/B assembly	3	17
			Charging spring	27	1	Cooling cover/C assembly	3	20
			Charging wire	27	8	Cooling cover/E assembly	37	19

PART DESCRIPTION	PAGE NO.	REF. NO.	PART DESCRIPTION	PAGE NO.	REF. NO.	PART DESCRIPTION	PAGE NO.	REF. NO.
Cord cover	45	10	Door switch	75	1	Electrode plate	29	11
Cord cover	75	8	Double feed pressure spring	41	22	Electrode spring	29	12
Cord cover/A	5	11	Double feed pressure spring	43	19	Exposure lamp	13	12
Cord cover/A	7	14	Double feed preventive plate	57	31	External fixed screw	5	12
Cord cover/B	7	3	Double feed preventive roller	39	20	External fixed screw	63	1
Cord cover/B	7	13	Double feed preventive roller	43	17			
Cord mount plate	77	13	Double feed preventive roller/upper	39	12	F		
Coupling spring	15	19	Double feed preventive roller/upper	43	9	Fan casing/A	75	11
Cover	59	36	Double feed preventive rubber/upper	39	11	Fan cover	75	6
Cover	63	22	Double feed preventive rubber/upper	39	19	Fan motor assembly	63	3
Cover/F	5	16	Double feed preventive rubber/upper	43	8	Fan seal/1	75	24
Cushion/C	63	6	Double feed preventive rubber/lower	43	16	Fan spacer	77	23
			Drawer	17	25	Feeding roller	39	5
D			Drawer	41	23	Feeding roller	43	2
DC inter lock wiring	75	26	Drawer	75	27	Feeding shaft holder	39	9
DC interlock wiring	87	9	Drive plate assembly	15	24	Feeding shaft holder	43	5
DC power source wiring	83	1	Driven shaft holder	65	8	Felt/A	21	19
DC power source/1	77	15	Driven shaft holder	69	17	Felt/C	35	29
Detecting actuator/A	37	7	Driving auxiliary plate	35	20	Ferrite core	13	31
Detecting spring	7	21	Driving belt (L=300)	67	1	Fixed plate	11	27
Developing adjusting cam/front	31	12	Driving coupling	39	7	Fixed screw	49	27
Developing block	31	21	Driving coupling	43	10	Fixed screw	53	17
Developing connecting plate	31	20	Driving gear (Z=15)	17	10	Fixing claw	51	4
Developing cover assembly	33	1	Driving gear (Z=15)	19	5	Fixing cleaner lever	53	25
Developing cover assembly	33	2	Driving pulley (Z=45)	13	24	Fixing cleaner roller	51	13
Developing cover part/A assembly	33	5	Driving shaft holder	13	22	Fixing cleaner shaft holder/A	51	12
Developing cover part/C assembly	33	6	Driving spacer/1	15	34	Fixing cleaner shaft holder/A	51	15
Developing drive gear/1 (Z=23/52)	17	7	Driving spacer/2	15	2	Fixing cleaner shaft holder/B	51	6
Developing drive gear/2 (Z=27)	17	24	Drum caution label	45	23	Fixing cleaner shaft holder/C	53	23
Developing drive gear/3 (Z=25)	17	5	Drum driving gear (Z=108)	15	25	Fixing cover/front	47	12
Developing drive gear/6	17	30	Drum driving motor	15	11	Fixing cover/rear	49	24
Developing drive gear/7	17	29	Drum driving motor	17	1	Fixing driving gear/D (Z=18/44)	53	26
Developing drive shaft holder	15	4	Drum driving motor	19	1	Fixing electrify wiring	49	19
Developing drive shaft holder	17	2	Drum driving motor	19	1	Fixing electrify wiring	83	2
Developing electrify plate assembly	21	5	Drum driving motor	15	11	Fixing entrance plate	51	10
Developing electrode cover	31	23	Drum driving motor	17	1	Fixing entrance plate/2 assembly	51	27
Developing electrode stay	31	26	Drum input shaft assembly	15	7	Fixing entrance plate/2 assembly	51	27
Developing gear (Z=26)	31	22	Drum relay wiring	75	23	Fixing fixed ring	47	14
Developing gear/C	31	7	Drum relay wiring	81	4	Fixing gear (Z=40)	49	22
Developing guide shaft holder	31	9	Drum rotary plate	15	6	Fixing guide part	53	14
Developing input coupling/A	17	31	Drum rotary plate	21	4	Fixing guide part assembly	53	39
Developing input coupling/B	17	32	Drum shaft assembly	21	16	Fixing guide part/2	53	8
Developing plate/A	33	15	Drum shaft holder/F	25	9	Fixing guide screw	47	1
Developing plate/B	33	13	Drum support plate	21	15	Fixing guide screw	51	22
Developing rail/left	33	16	Drum support shaft holder	21	13	Fixing heat insulate sheet/B	51	20
Developing rail/right (7020/7025)	33	17	Drum support shaft holder	31	11	Fixing heat insulate sheet/C	51	21
Developing rail/right (7030)	33	17	Drum support shaft holder	31	11	Fixing heat insulating sheet/D	47	3
Developing relay wiring	17	26	Drum unit assembly	21	7	Fixing heater/1	47	7
Developing relay wiring	87	4	Drum wiring	21	22	Fixing heater/2	47	8
Developing relay wiring/2	33	8	Drum wiring	85	1	Fixing idler gear/A (Z=21)	53	28
Developing seal/S	31	14	Dumper plate assembly	15	36	Fixing idler gear/B (Z=21)	53	27
Developing shaft holder	31	8	Dust proof cover	3	22	Fixing mount rail assembly	53	32
Developing shaft holder/front	31	18	Dust proof filter	3	15	Fixing paper exit actuator	53	3
Developing shaft holder/rear	31	19	Dust proof seal	55	10	Fixing relay wiring	75	28
Developing support stopper	33	7	Dust proof seal/5	3	26	Fixing relay wiring/2	53	2
Developing unit	31	1	Dust proof sheet/C	7	15	Fixing relay wiring/2	89	7
Developing wiring	31	25				Fixing roller/lower	53	12
Developing wiring	87	7	E			Fixing roller/upper (7020/7030)	47	9
Discharge wire	29	2	Electrode cleaning knob	45	18	Fixing roller/upper (7025)	47	9
			Electrode connecting spring (B)	21	1	Fixing seal	71	36
			Electrode connecting spring/A	29	13	Fixing seal	73	36
			Electrode connecting spring/A	65	34	Fixing sensor	47	6
			Electrode connecting spring/A	75	4	Fixing shaft holder/lower	15	8
			Electrode mount plate/1	3	27	Fixing shaft holder/lower	53	35
						Fixing shaft holder/upper	49	17

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Fixing unit	49	32	High voltage wiring/3	89	3	Lifting spring/2	45	24
Front cover/upper (7020)	5	15	Hinge assembly	65	1	Lock part/rear	53	11
Front cover/upper (7025)	5	15	Hinge click plate	65	14	Lock plate	3	11
Front cover/upper (7030)	5	15				Lock plate/front	53	7
Front door/right	5	8				Lock spring/1	45	16
Fulcrum plate assembly	5	10				Lock spring/2	45	7
Fulcrum plate assembly	69	11	I					
Fuse cord/1	49	34	INDEX driving wiring	79	7			
Fuse cord/1	81	3	INDEX driving wiring	87	6	M		
Fuse mount plate assembly	49	33	Idler gear (Z=16)	31	5	Machine label/3	9	22
			Idler gear (Z=25)	21	8	Magnet catch	65	2
G			Idler gear/A (Z=27/54)	19	15	Magnet pressure plate	5	7
Gear (D) (Z=16)	59	41	Idler gear/B (Z=43)	19	12	Magnet pressure plate	61	22
Gear (Z=25)	17	20	Idler gear/C (Z=35)	15	32	Main auxiliary cover	5	3
Gear/A (Z=26/97)	15	26	Idler gear/D (Z=27/45)	15	9	Main cover/front	5	9
Gear/B (Z=97)	15	27	Idler gear/E (Z=45)	17	19	Main cover/upper	5	1
Gear/C (Z=32/50)	15	18	Idler gear/F (Z=41)	17	14	Main driving board assembly	77	2
Gear/E (Z=32/35)	15	20	Idler gear/G (Z=21/35)	17	13	Main fan motor	3	18
Gear/F (Z=32/34)	15	14	Idler gear/H (Z=33)	19	14	Main fan motor	75	29
Gear/G (Z=24/49)	15	29	Idler gear/I (Z=15/25)	19	9	Main fan motor	77	4
Gear/H (Z=55)	15	31	Idler gear/J (Z=25)	19	18	Main setting rubber	3	10
Gear/J (Z=38)	15	22	Idler gear/K (Z=20)	19	2	Main wiring (7020)	81	1
Gear/M (Z=34)	15	30	Idler gear/L (Z=16)	19	3	Main wiring (7025)	81	1
Gear/Q (Z=23/23)	15	15	Idler gear/O (Z=35)	17	12	Main wiring (7030)	81	1
Gear/R (Z=21/50)	15	28	Idler pulley (Z=18)	67	3	Manual feed auxiliary plate	57	1
Gear/X (Z=45)	15	21	Indication board assembly	9	8	Manual feed auxiliary tray	61	15
Glass holder plate/front	11	6	Indication lighting	9	19	Manual feed clutch	57	16
Glass holder plate/rear	11	8	Insulating sheet	65	20	Manual feed conveyance gear (Z=21)	57	8
Glass holding plate	11	18	Insulating sheet/A	3	19	Manual feed conveyance gear (Z=21)	69	9
Ground plate	45	15				Manual feed conveyance roller	57	24
Ground plate	71	26	L			Manual feed conveyance roller	57	27
Ground plate	73	26	L detecting seal	33	9	Manual feed conveyance roller	69	7
Ground spring	11	21	LD driving wiring	87	3	Manual feed conveyance spring	57	2
Ground spring	45	12	LD relay wiring/1	87	5	Manual feed cover	61	16
Guide part/lower	67	16	LD relay wiring/2	79	5	Manual feed cover assembly	57	13
Guide part/middle	67	21	LD relay wiring/2	89	4	Manual feed detecting part	57	11
Guide plate	45	14	Lamp relay wiring	87	8	Manual feed driven roller	39	3
Guide sheet	43	20	Lamp support part/front	47	13	Manual feed driving cam	57	18
			Lamp support plate/rear	49	25	Manual feed driving gear/1 (Z=25)	17	17
H			Laser caution label/3	5	6	Manual feed driving gear/2	17	9
Heat insulating plate	51	25	Laser indication label	7	19	Manual feed fulcrum plate assembly	61	17
Heat insulating sheet/E	51	1	Lens cover	11	5	Manual feed guide part	57	3
Heat insulating sleeve/A	47	15	Lever click shaft	41	21	Manual feed guide plate	57	22
Heat insulating sleeve/B	49	23	Lever click shaft	43	18	Manual feed guide spacer	59	55
Heater assembly	3	2	Lever hold spring	39	18	Manual feed idler gear/lower (Z=22)	57	17
Heater relay wiring	81	2	Lever hold spring	43	15	Manual feed idler gear/upper (Z=28/30)	57	9
High tension caution label	11	23	Lever indication label/1	41	36	Manual feed label/1	61	21
High voltage casing/A	65	17	Lever indication label/2	43	37	Manual feed label/2	61	12
High voltage casing/B	65	16	Lever indication label/3	67	26	Manual feed lift-up lever	57	30
High voltage caution label	5	21	Lever indication label/4	59	53	Manual feed lift-up plate assembly	57	32
High voltage connecting plate/B assembly	75	25	Lever indication label/5	53	6	Manual feed lift-up shaft	59	34
High voltage cover plate/A	75	12	Lever indication label/6	45	22	Manual feed open-close spring/rear	61	19
High voltage fixed part	65	31	Lever shaft holder	53	13	Manual feed paper guide assembly	59	43
High voltage mount plate	75	30	Lever spring	53	24	Manual feed part	59	47
High voltage part assembly	65	15	Lift up shaft/front assembly	3	8			
High voltage part/upper	65	19	Lift up shaft/rear assembly	3	9			
High voltage power source	75	16	Lift-up bottom plate assembly	71	3			
High voltage relay wiring	75	21	Lift-up bottom plate assembly	73	3			
High voltage relay wiring	87	10	Lift-up cover	3	6			
High voltage wiring/1	75	19	Lift-up knob	3	4			
High voltage wiring/1	89	1	Lift-up plate	45	3			
High voltage wiring/2	75	20	Lift-up shaft assembly	71	35			
High voltage wiring/2	89	2	Lift-up shaft assembly	73	35			
High voltage wiring/3	75	22	Lift-up spring	45	4			
			Lift-up spring	67	18			
			Lift-up spring/front	67	17			

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Manual feed pick up assembly/2	59	51	Optics mirror/1	13	16	Paper feed enter plate assembly	43	31
Manual feed pressure rubber	57	10	Optics mirror/2	13	7	Paper feed gear (Z=15)	17	23
Manual feed pressure spring	57	14	Optics slide plate/front	13	4	Paper feed gear (Z=15)	19	10
Manual feed roller	59	42	Optics slide plate/rear	13	9	Paper feed gear/2 assembly	17	15
Manual feed solenoid assembly	57	21	Optics slide sheet/1	11	15	Paper feed gear/3 assembly	19	7
Manual feed sticking part/2	69	21	Optics slide sheet/2	11	12	Paper feed guide plate/lower (7020/7025)	43	30
Manual feed sticking part/3	61	23	Optics wire/front	13	19	Paper feed guide plate/lower (7030)	43	30
Manual feed tray/lower	61	20	Optics wire/rear	13	20	Paper feed guide plate/upper (7020/7025)	39	6
Manual feed tray/upper	61	5	Optics wiring	85	2	Paper feed guide plate/upper (7030)	39	6
Manual feed wiring	59	40	Option relay wiring/2	89	8	Paper feed guide sheet/A	41	37
Manual feed wiring	83	4	Option wiring/1	83	5	Paper feed idler gear (Z=17)	39	10
Mirror adjusting screw	13	14	Ozone filter	7	16	Paper feed idler gear (Z=17)	43	7
Mirror mount plate/1	13	13				Paper feed indication plate/front	71	20
Mirror mount plate/2 assembly	13	1	P			Paper feed indication plate/front	73	20
Mirror pressure spring	13	15	PTL light shield assembly	45	5	Paper feed lower assembly (7020/7025)	43	3
Mirror pressure spring/3	13	8	Paper detecting actuator	41	28	Paper feed lower assembly (7030)	43	3
Mirror pressure spring/4	13	6	Paper detecting actuator	43	22	Paper feed plate/right	43	23
Mirror reinforce plate/1	13	36	Paper detecting actuator/2	41	30	Paper feed pressure spring/front	41	24
Mirror support plate/front	13	5	Paper detecting actuator/2	43	24	Paper feed pressure spring/rear	41	33
Mirror support plate/rear	13	32	Paper exit actuator/2	63	24	Paper feed protect sheet/2	43	21
Motor belt (L=148)	13	25	Paper exit auxiliary sheet	11	25	Paper feed shaft holder	17	8
Motor gear (Z=24)	67	10	Paper exit auxiliary sheet	13	34	Paper feed shaft holder	41	27
Motor mount plate assembly	67	12	Paper exit cover assembly	5	14	Paper feed shaft holder	43	28
Mount screw	49	18	Paper exit detecting wiring	63	20	Paper feed shaft holder	59	35
			Paper exit detecting wiring	85	4	Paper feed slide bearing	43	29
			Paper exit driven part	63	16	Paper feed slide holder	39	1
			Paper exit driven roller	63	12	Paper feed solenoid	39	16
			Paper exit driven roller	63	14	Paper feed solenoid	43	13
			Paper exit driven shaft	63	15	Paper feed support knob	41	29
N			Paper exit driven spring	63	13	Paper feed wiring/lower (7020/7025)	43	36
Neutralizing brush	47	2	Paper exit gear (Z=26)	15	23	Paper feed wiring/lower (7030)	89	16
Neutralizing brush	51	23	Paper exit gear (Z=26)	63	25	Paper feed wiring/upper (7020/7025)	89	17
Neutralizing brush/A	63	8	Paper exit ground wiring	63	2	Paper feed wiring/upper (7030)	85	3
Neutralizing brush/B	63	7	Paper exit ground wiring	89	12	Paper feed wiring/upper (7030)	41	38
Neutralizing plate	63	5	Paper exit guide cover	5	17	Paper feed wiring/upper (7030)	85	6
			Paper exit guide part	63	26	Paper feeding rubber	39	4
			Paper exit relay wiring	89	14	Paper feeding rubber	43	1
			Paper exit roller	63	9	Paper feeding rubber	59	37
O			Paper exit sensor assembly/2	63	10	Paper feeding shaft holder	15	1
Open-close knob	65	18	Paper exit shaft holder	17	21	Paper feeding shaft holder	45	11
Open-close label/lower	45	6	Paper exit slide shaft holder	63	11	Paper feeding shaft holder	57	15
Open-close label/upper	69	20	Paper exit slide shaft holder	67	7	Paper feeding shaft holder	67	27
Open-close lever	45	8	Paper exit spring	63	17	Paper feeding spring	39	15
Open-close lever	53	9	Paper exit stay	63	21	Paper feeding spring	43	12
Open-close lever/2	45	17	Paper exit tray	5	4	Paper guide part	53	40
Open-close spring	53	10	Paper exit unit	63	28	Paper guide part/lower	69	14
Open-close spring/front	69	13	Paper feed auxiliary plate	39	13	Paper guide part/upper	69	6
Open-close spring/rear	69	15	Paper feed clutch	17	22	Paper guide plate/front	61	1
Operation board/1 assembly	9	14	Paper feed connecting roller/1	41	32			
Operation cover/lower	9	17	Paper feed connecting roller/2	43	4			
Operation tray	9	1	Paper feed conveyance spring	43	32			
Operation unit	9	20	Paper feed coupling gear/A (Z=25)	17	11			
Operation unit button/A	9	11	Paper feed coupling gear/A (Z=25)	19	6			
Operation unit button/B	9	13	Paper feed coupling gear/B (Z=20)	17	16			
Operation unit button/C	9	12	Paper feed driving gear (Z=52/97)	19	16			
Operation unit button/D	9	21						
Operation unit button/E	9	16						
Operation unit button/F	9	5						
Operation unit button/G	9	6						
Operation unit button/H	9	3						
Operation unit cover	9	10						
Operation unit cover/upper	9	2						
Operation unit ground plate/1	9	18						
Operation unit sheet	9	9						
Operation wiring/2	9	15						
Operation wiring/2	85	5						
Optics caution label	11	19						
Optics driving motor	13	26						

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Paper guide plate/rear	61	2	Pressure spring assembly	49	31	Screw shaft holder	25	4
Paper guide sheet/A	23	13	Protect cover	77	7	Screw shaft holder/B	25	7
Paper guide sheet/C	23	15	Pulley fixed plate	13	23	Sensor	75	17
Paper guide sheet/D	23	16				Sensor mount plate	67	23
Paper lift-up lever shaft holder	17	28	R			Sensor mount plate/2	11	14
Paper lift-up plate	71	18	Rack plate	61	6	Sensor pressure spring	53	4
Paper lift-up plate	73	18	Rack plate/A	61	8	Sensor pressure spring	55	7
Paper push up lever shaft holder	53	15	Rail/left	3	13	Sensor relay wiring/1	23	10
Paper regulating part/front	61	3	Rail/left	37	5	Sensor relay wiring/1	87	12
Paper regulating part/rear	61	4	Rail/right	3	14	Sensor relay wiring/2	75	18
Paper regulating plate/left	71	2	Reading cover/front	7	6	Sensor relay wiring/2	87	13
Paper regulating plate/left	73	2	Reading cover/left	7	2	Sensor relay wiring/3	3	24
Paper supply label	71	31	Reading cover/lowe	7	7	Sensor relay wiring/3	37	1
Paper supply label	73	31	Reading cover/rear	7	10	Sensor relay wiring/3	67	28
Paper supply rubber	57	23	Reading seal/2	11	24	Sensor relay wiring/3	87	2
Parameter memory board assembly	77	19	Reading support plate/right	11	2	Sensor support part	55	9
Photosensor	3	23	Reading/right external assembly	7	12	Sensor support part	57	4
Photosensor	11	9	Rear cover	7	8	Separate bridge	29	1
Photosensor	37	6	Rear cover/left	7	1	Separate claw assembly	23	18
Photosensor	41	25	Rear cover/right	5	13	Separate fulcrum shaft	23	19
Photosensor	41	39	Rear ground plate	3	21	Separate guide plate	23	4
Photosensor	43	25	Reflect mirror	13	11	Separate release lever	23	1
Photosensor	43	38	Regulating plate/front assembly	51	8	Separate release spring	23	5
Photosensor	53	1	Regulating plate/rear assembly	51	9	Separate rocking collar	23	3
Photosensor	55	6	Regulating seal/A	27	15	Separate rocking screw	23	2
Photosensor	57	29	Relay wiring	87	11	Separate rocking spring	23	7
Photosensor	63	19	Remainder detecting sensor	35	22	Separate solenoid assembly	23	11
Photosensor	67	22	Resist actuator	55	8	Separate spring	51	3
Photosensor/2	61	11	Resist cleaner assembly	55	15	Separation rocking cam	21	14
Pin	35	9	Resist clutch	19	11	Separation rocking gear (Z=18)	21	12
Pin (A)	15	37	Resist clutch	55	4	Shaft fixed pin	21	11
Pin (A)	17	4	Resist fixed screw	55	11	Shaft guide cover	7	5
Pin (A)	31	24	Resist relay wiring	55	5	Shaft holder fulcrum part	25	8
Pin (A)	51	16	Resist relay wiring	89	9	Shaft holder fulcrum part	31	17
Pin (A)	67	13	Resist roller/A	55	13	Shaft holder part/lower	65	29
Pin A	31	2	Resist roller/B	55	12	Shaft holder part/upper	65	23
Pin A	53	19	Resist shaft holder/1	55	3	Shaft holder spacer	25	6
Pin A	65	32	Resist shaft holder/2	55	1	Shaft holder spacer	31	6
Pin B	57	26	Reversal spring	55	2	Shaft positioning part	39	8
Pin B	69	10	Reversal actuator	67	24	Shaft positioning part	41	26
Pinion	61	7	Reversal gear (Z=29)	67	8	Shaft positioning part	43	6
Pinion (Z=16)	71	7	Reversal roller	67	19	Shaft positioning part	43	27
Pinion (Z=16)	73	7	Reversal sheet	67	6	Shaft positioning part	57	25
Pinion/A (Z=124)	61	13	Reversal spacer	67	30	Shaft stopper plate	27	11
Platen glass assembly	11	1	Reversing spring	65	10	Shaft support plate	3	3
Platen glass assembly/2	11	7	Rocking shaft holder	21	10	Side cover/left	7	4
Polygon relay wiring	79	6	Roller/B	65	9	Side cover/rear	5	2
Polygon relay wiring	87	1	Roller/B	69	2	Side guide plate	43	26
Polyslider	15	16	Rotary shaft/A assembly	53	16	Side protection cover	5	19
Polyslider	19	17				Side regulating/front assembly	71	37
Positioning arm	39	17	S			Side regulating/front assembly	73	37
Positioning arm	43	14	Scanner driving board assembly	13	27	Side regulating/rear assembly	71	38
Positioning screw	31	13	Screw drive belt (L=76)	25	2	Side regulating/rear assembly	73	38
Power socket assembly	77	14	Screw drive pulley/1 (Z=23)	25	1	Size detecting board assembly	61	14
Power source control switch	9	4	Screw drive pulley/2 (Z=19)	25	10	Size detecting board assembly	71	23
Power source cord	77	16	Screw gear (Z=24)	21	21	Size detecting board assembly	73	23
Power source cover plate	77	12	Screw seal/lowe	35	13	Slide bearing	41	35
Power source switch	77	22	Screw seal/middle	35	26	Slide bearing	43	35
Powering board assembly	13	28	Screw seal/upper	35	11	Slide bearing	57	5
Pressure arm/front	53	5	Screw shaft holder	21	6	Slide holder/1	61	9
Pressure arm/rear	53	20				Slide plate	13	3
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Solenoid mount plate assembly	43	11	Terminal plate/A	49	30	Toner supply wiring	89	15
Solenoid seal	23	12	Terminal plate/B	49	29	Total counter	5	23
Solenoid spring	53	34	Toner agitate shaft holder	35	10	Total counter relay wiring	89	11
Spacer/A	5	18	Toner agitate shaft holder/left	35	27	Touch key board	9	7
Spacer/B	17	33	Toner agitate shaft holder/right	35	12	Transfer cleaning plate/A	29	14
Spacer/C	31	4	Toner cartridge pressure assembly	37	10	Transfer cleaning plate/B	29	7
Spark arrester preventive plate/front	27	5	Toner collect coupling	25	5	Transfer cleaning plate/E	29	6
Spark arrester preventive plate/rear	27	10	Toner conveyance gear/1 (Z=16/24)	35	28	Transfer separator block/front	29	15
Spark arrester preventive plate/rear	29	8	Toner conveyance gear/3 (Z=13/30)	35	33	Transfer separator block/rear	29	9
Spark arrester preventive plate/front	29	10	Toner conveyance gear/4 (Z=34)	35	31	Transfer separator corona unit	29	3
Spewing preventive plate/A assembly	23	17	Toner conveyance gear/5 (Z=16/23)	35	19	W		
Spewing preventive sheet/2	33	12	Toner conveyance shaft holder/A	35	30	Web	51	18
Spewing preventive spacer	35	5	Toner cover assembly (7020/7025)	39	2	Web relay wiring	53	36
Spring lock plate	71	24	Toner cover assembly (7030)	39	2	Web relay wiring	89	6
Spring lock plate	73	24	Toner density sensor	33	10	Wire driving pulley	13	21
Spring regulating sheet	7	22	Toner detecting board assembly	23	9	Wire pulley	13	2
Spring spacer	15	33	Toner supply base/upper assembly	35	14	Wire tension spring	27	7
Stopper cover	7	26	Toner supply caution label	5	25	Wire tension spring	29	4
Stopper plate	5	5	Toner supply driving assembly	37	18	Wiring cover	65	13
Supply spring	33	14	Toner supply gear/1 (Z=14/60)	37	16	Wiring cover plate	77	6
Switch guide roller	75	3	Toner supply gear/2 (Z=41)	37	4	Wiring guide bridge	41	31
Switch guide shaft	75	2	Toner supply guide plate	37	9	Wiring guide part/2	13	10
Switch pressure plate	75	7	Toner supply label	5	20	Wiring guide part/3	11	11
Switch spring/A	75	10	Toner supply label/2	5	22	Wiring guide plate	23	8
Switch spring/B	75	9	Toner supply motor	35	17	Wiring guide plate/1	11	4
System control board unit (7020)	77	3	Toner supply open-close cover	35	25	Wiring guide plate/2	7	23
System control board unit (7025)	77	3	Toner supply open-close plate	35	24	Wiring guide plate/3	7	24
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190041410	19	17		26NA-4500	45	21		26NA10070	3	25	
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25AA85511	41	39		26NA-4721	71	37		26NA10141	3	1	
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25BA85530	11	3		26NA-4740	73	3		26NA10350	37	5	
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26NA15580	15	31		26NA20420	21	8		26NA30930	33	7	
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26NA42590	59	36		26NA48130	63	13		26NA51070	65	36	
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26NA45130	55	12		26NA50031	67	16		26NA53250	51	20	
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26NA53660	53	33		26NA61940	13	2		26NA73780	7	15	
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Konica

PARTS CATALOG

**Model
7035**

MARCH 2002
CMPC-7035
SECOND EDITION

KONICA BUSINESS TECHNOLOGIES, INC.

How to use this catalog

This parts catalog includes illustrations and part numbers for all replacement parts and assemblies used in this model.

Model-specific parts are identified in the illustrations with reference numbers. Use the reference number to locate the corresponding part number on the facing page.

Common hardware items, such as screws, nuts, washers, and pins, are identified in the illustrations with reference letters. Use the reference letter to locate the corresponding part number on the hardware listing in the lower right hand corner of the facing page.

If you know a part number, but don't know where the part is used, use the numerical index to determine the page number and reference number for that part. Because some common parts are used in several places, there may be more than one entry. Refer to the illustrations to see where the part may be used.

If you know a part's description, but don't know where to look to find the part number, use the alphabetical index to determine likely page and reference numbers. Then look at the illustrations to determine that you have identified the correct part. Locate the part number using the listing on the opposite page.

Retail pricing that appears with the numerical index, while valid when this catalog was printed, is subject to change without notice. The prices are only suggested prices and are provided only for reference. Dealers may determine their own selling prices. For up-to-date pricing, refer to current Konica price lists or contact the Konica Parts Distribution Center.

How to order parts

Use standard Konica parts ordering procedures to obtain these parts. For ordering options, contact Konica's Parts Distribution Center.

When ordering parts, be sure to specify part numbers exactly as listed in this catalog.

NOTE: Electrical parts may include previously used components.

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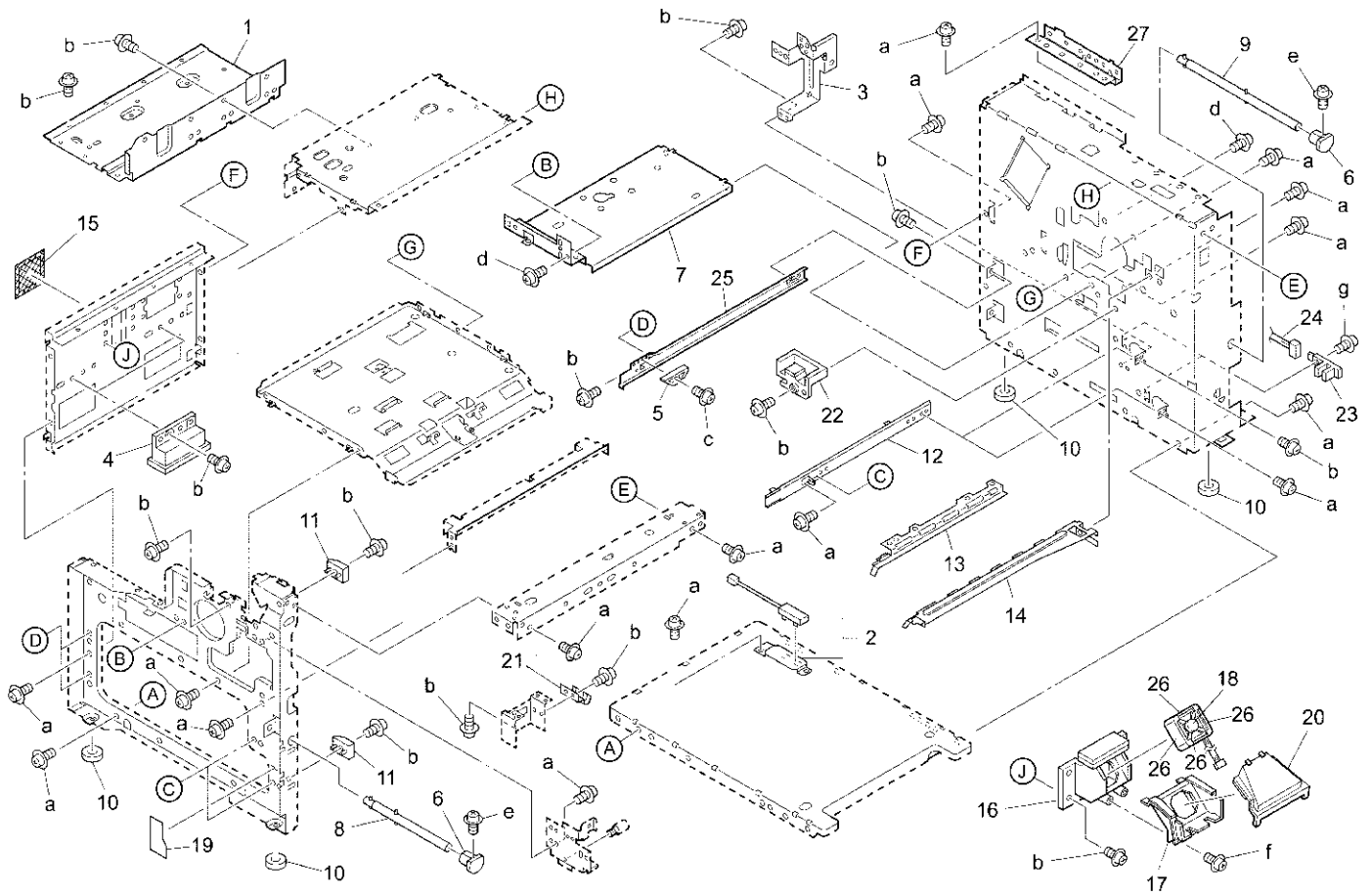
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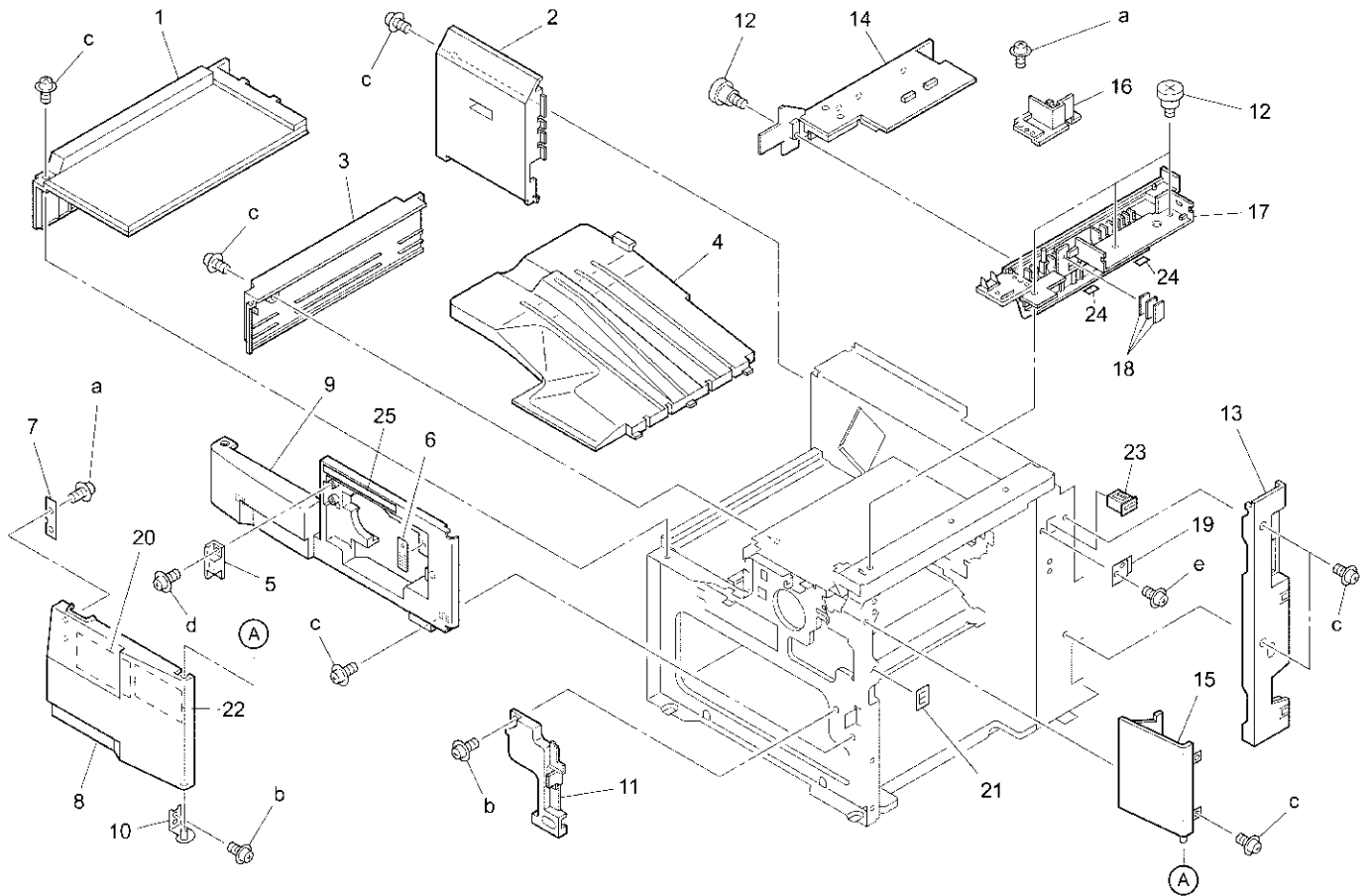
Main frame



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA10141	Writing cover
2	26NA-7560	Heater assembly
3	26NA10441	Shaft support plate
4	26NA12340	Lift-up knob
5	26NA47350	Cassette stopper
6	26NA10310	Lift-up cover
7	26NA10080	Writing support plate/right
8	26NA-1060	Lift up shaft/front assembly
9	26NA-1070	Lift up shaft/rear assembly
10	25HA10292	Main setting rubber
11	26NA10181	Lock part
12	26NA10061	Cassette rail/right
13	26NA10350	Rail/left
14	26NA10360	Rail/right
15	26NA73680	Dust proof filter
16	26NA-7580	Cooling cover/A assembly
17	26NA-7590	Cooling cover/B assembly
18	26TA80530	Internal cooling fan
19	26NA73590	Insulating sheet/A
20	26NA-7600	Cooling cover/C assembly
21	40AA73360	Rear ground plate
22	26NA30791	Dust proof cover
23	552085510	Photosensor
24	26NA90330	Wiring/3
25	26NA10070	Cassette rail/left
26	26NA73731	Dust proof seal/5
27	26NA73530	Electrode mount plate/1

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z283061
b	00Z193061
c	00Z183061
d	00Z163061
e	00Z183082
f	00Z253121
g	00Z193101

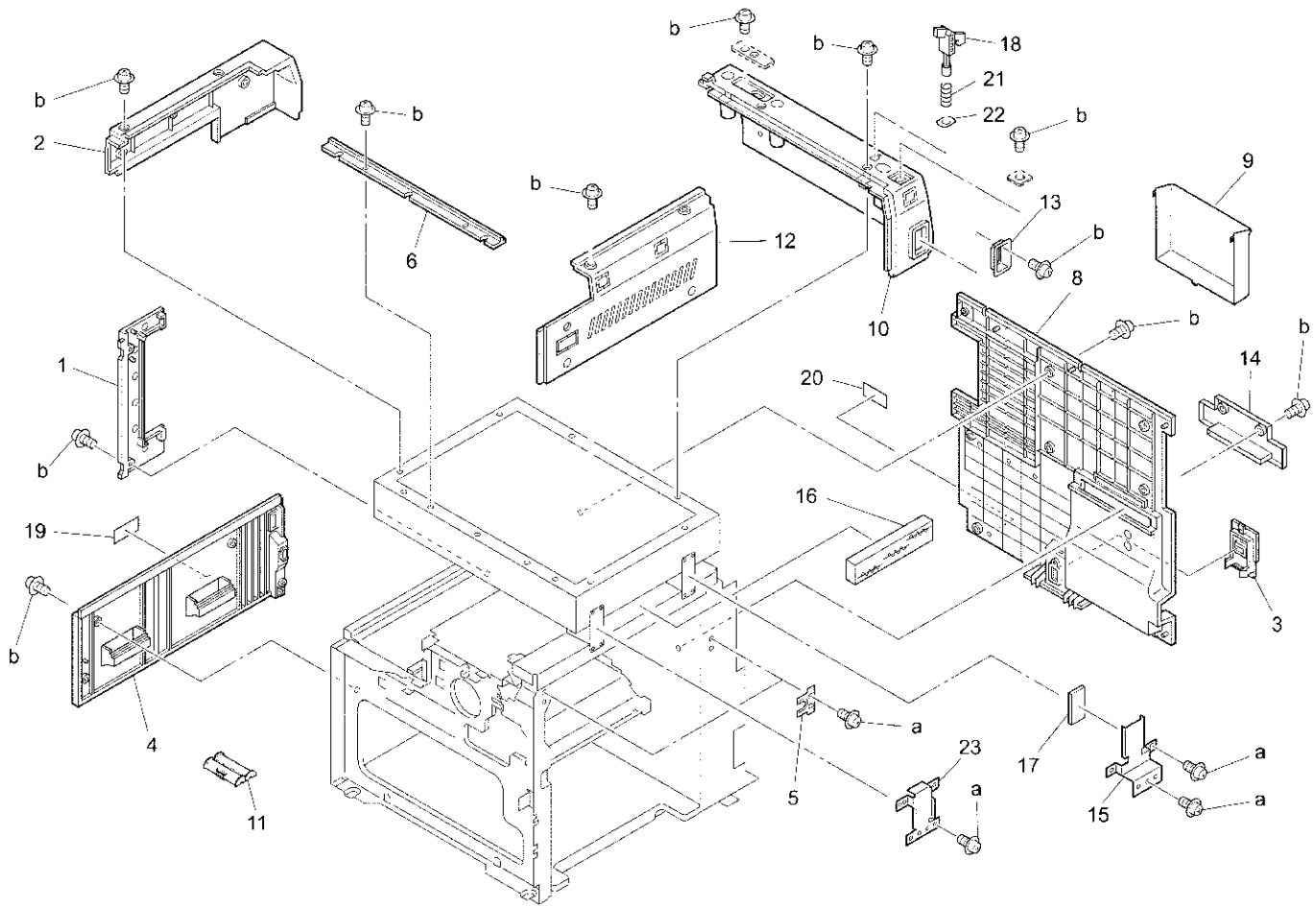
External parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA12020	Main cover/upper
2	26NA12040	Side cover/rear
3	26NA12120	Main auxiliary cover
4	26NA12111	Paper exit tray
5	083020140	Stopper part
6	26NE97181	Laser caution label/3
7	26NA12400	Magnet pressure plate
8	26NE12080	Front door/right
9	26NA12011	Main cover/front
10	26NA-1220	Fulcrum plate assembly
11	26NA12350	Cord cover/A
12	26NA12430	External fixed screw
13	26NA12030	Rear cover/right
14	26NA-1311	Paper exit cover assembly
15	26TE12130	Front cover/upper
16	26NA12460	Cover/F
17	26NA12062	Paper exit guide cover
18	26NA12520	Spacer/A
19	26NA12440	Side protection cover
20	26NA97040	Toner supply label
21	26NE97140	High voltage caution label
22	26NA97830	Toner supply label/2
23	26NE88310	Total counter
24	26NA51010	Conveyance guide sheet
25	26NE97820	Toner supply caution label

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z193061
c	00Z193062
d	00Z243081
e	00Z283061

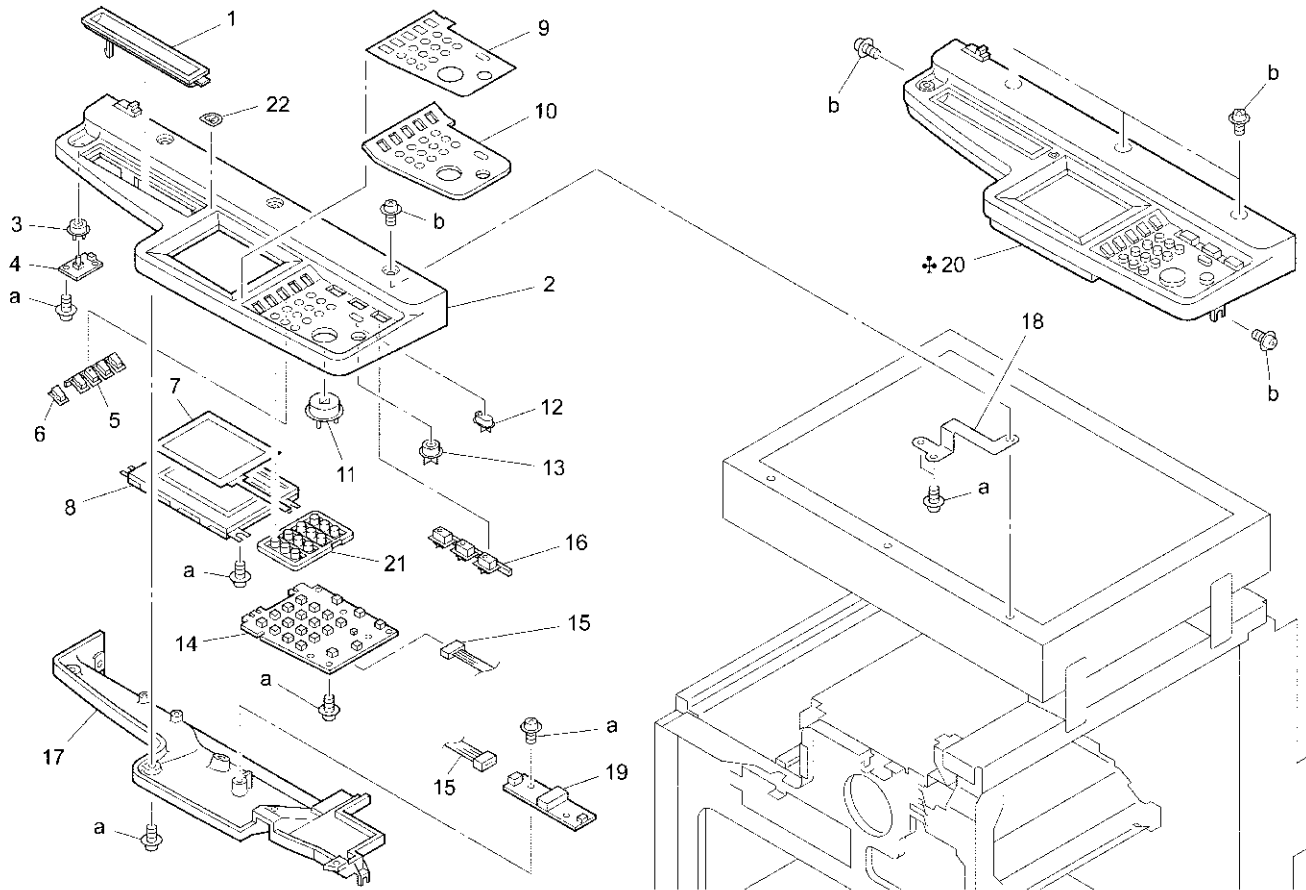
External parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12161	Rear cover/left
2	26NA12240	Reading cover/left
3	26NA12190	Cord cover/B
4	26TA12050	Side cover/left
5	26NA12420	Shaft guide cover
6	26NA12210	Reading cover/front
7	*	Not used
8	26NA12071	Rear cover
9	26NA12540	Accessories holder panel
10	26NA12231	Reading cover/rear
11	26NA10460	Stopper cover
12	26NA-1260	Reading /right external assembly
13	26NA12450	Cord cover/B
14	26NA12180	Cord cover/A
15	26NA62120	Wiring guide plate/3
16	26TA10170	Ozone filter
17	26NA62291	Wiring hold part/2
18	26NA61820	ADF detecting actuator
19	26NA97080	Laser indication label
20	26NE97070	Caution label
21	26NA62130	Detecting spring
22	26NA12550	Spring regulating sheet
23	26NA62110	Wiring guide plate/2

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z193062

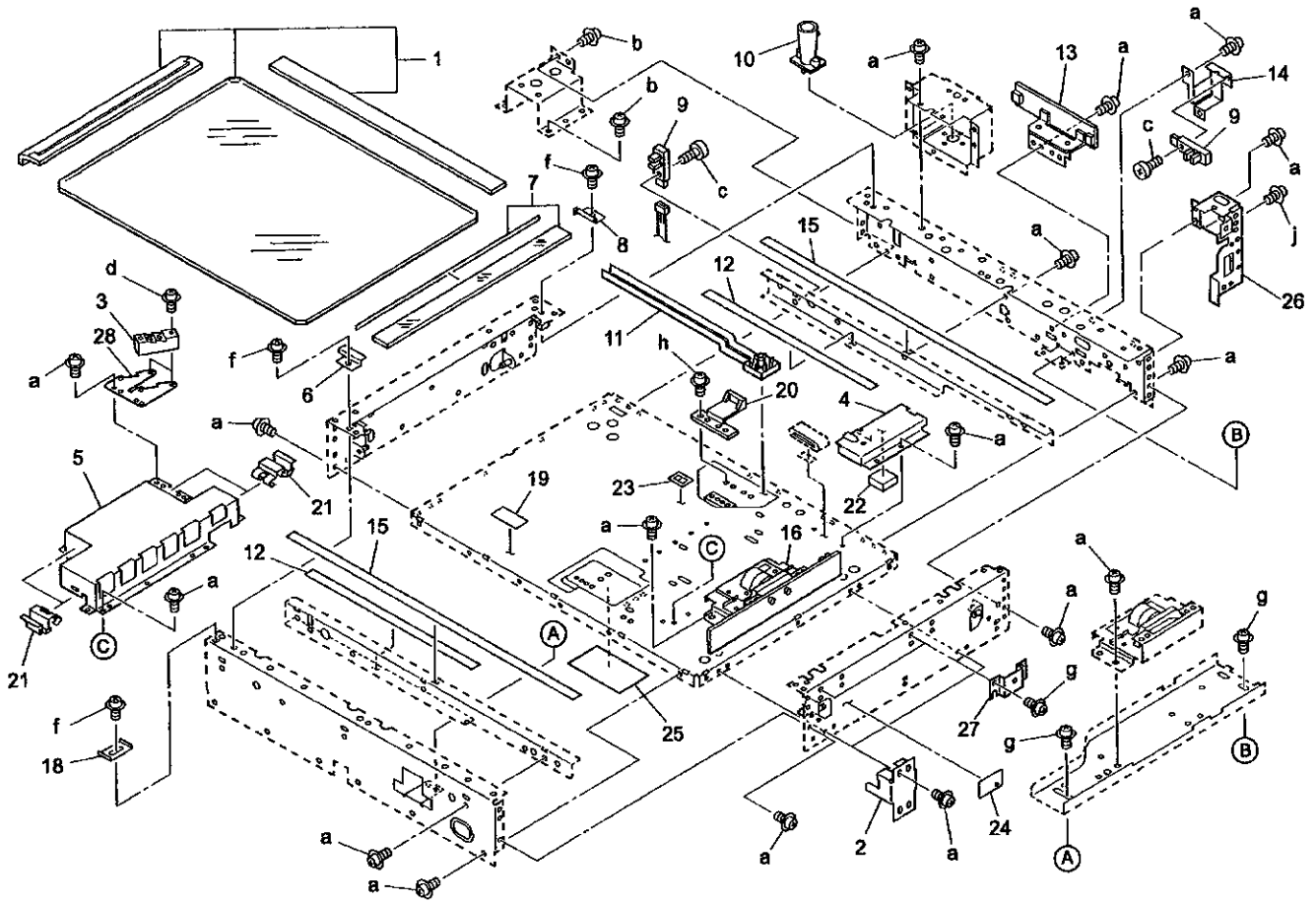
Operation unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12370	Operation tray
2	26NA70022	Operation unit cover/upper
3	26NA70181	Operation unit button/H
4	26NA-9060	Power source control switch
5	26NA70160	Operation unit button/F
6	26NA70171	Operation unit button/G
7	26NA87520	Touch key board
8	55FA-7020	Indication board assembly
9	26NE70041	Operation unit sheet
10	26NA70030	Operation unit cover
11	26NA70112	Operation unit button/A
12	26NA70130	Operation unit button/C
13	26NA70120	Operation unit button/B
14	26NA-9032	Operation board/1 assembly
15	26NA90161	Operation wiring/2
16	26NA70150	Operation unit button/E
17	26NA12220	Operation cover/lower
18	26NA70050	Operation unit ground plate/1
19	55FA83520	Indication lighting
20	26NE-7000	Operation unit
21	26NA70140	Operation unit button/D
22	26NA97130	Machine label/3

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z193062

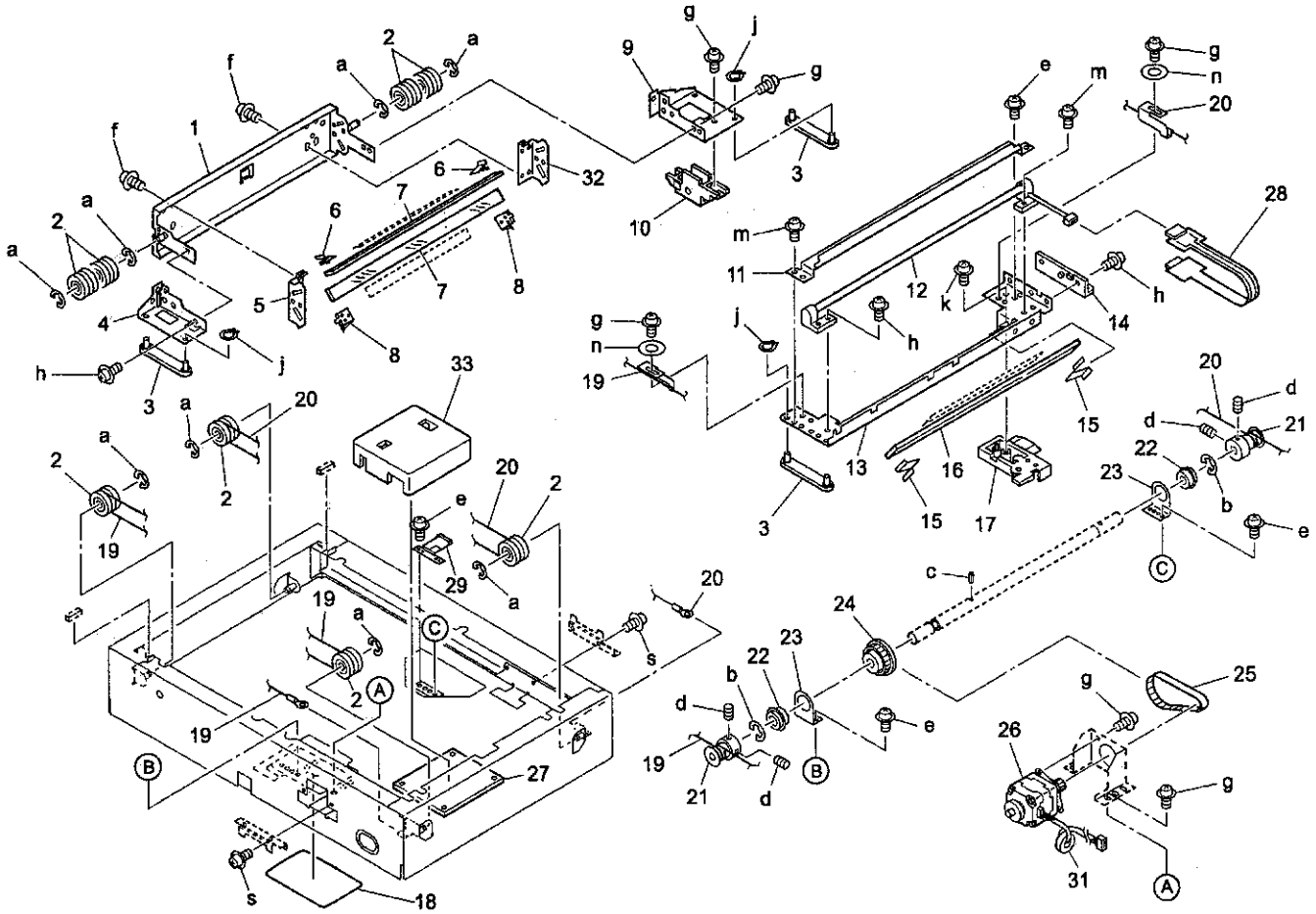
Optics unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-6272	Platen glass assembly
2	26NA62080	Reading support plate/right
3	25BA85530	APS sensor/2
4	26NA61810	Wiring guide plate/1
5	26NA61731	Lens cover
6	26NA61300	Glass holder plate/front
7	26NA-6282	Platen glass assembly/2
8	26NA61150	Glass holder plate/rear
9	552085510	Photosensor
10	26NA62050	ADU guide block
11	26NA62010	Wiring guide part/3
12	26NA61840	Optics slide sheet/2
13	26NA-6220	Board mount plate/2 assembly
14	26NA62140	Mount plate/2
15	26NA61830	Optics slide sheet/1
16	26TA-6260	CCD unit
17	*	Not used
18	26NA62160	Glass holding plate
19	26NE97060	Optics caution label
20	26NA62170	Wiring regulating sheet
21	26NA62270	Ground spring
22	26NA62280	Wiring hold part/1
23	26NE97140	High tension caution label
24	26NA62201	Reading seal/2
25	26NA62220	Paper exit auxiliary sheet
26	26NA61120	ADF mount plate/right
27	26NA62210	Fixed plate
28	26NA61141	Mounting plate

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z283061
c	00Z183101
d	00Z183201
f	00Z193043
g	00Z163081
h	00Z193041
j	00Z253061

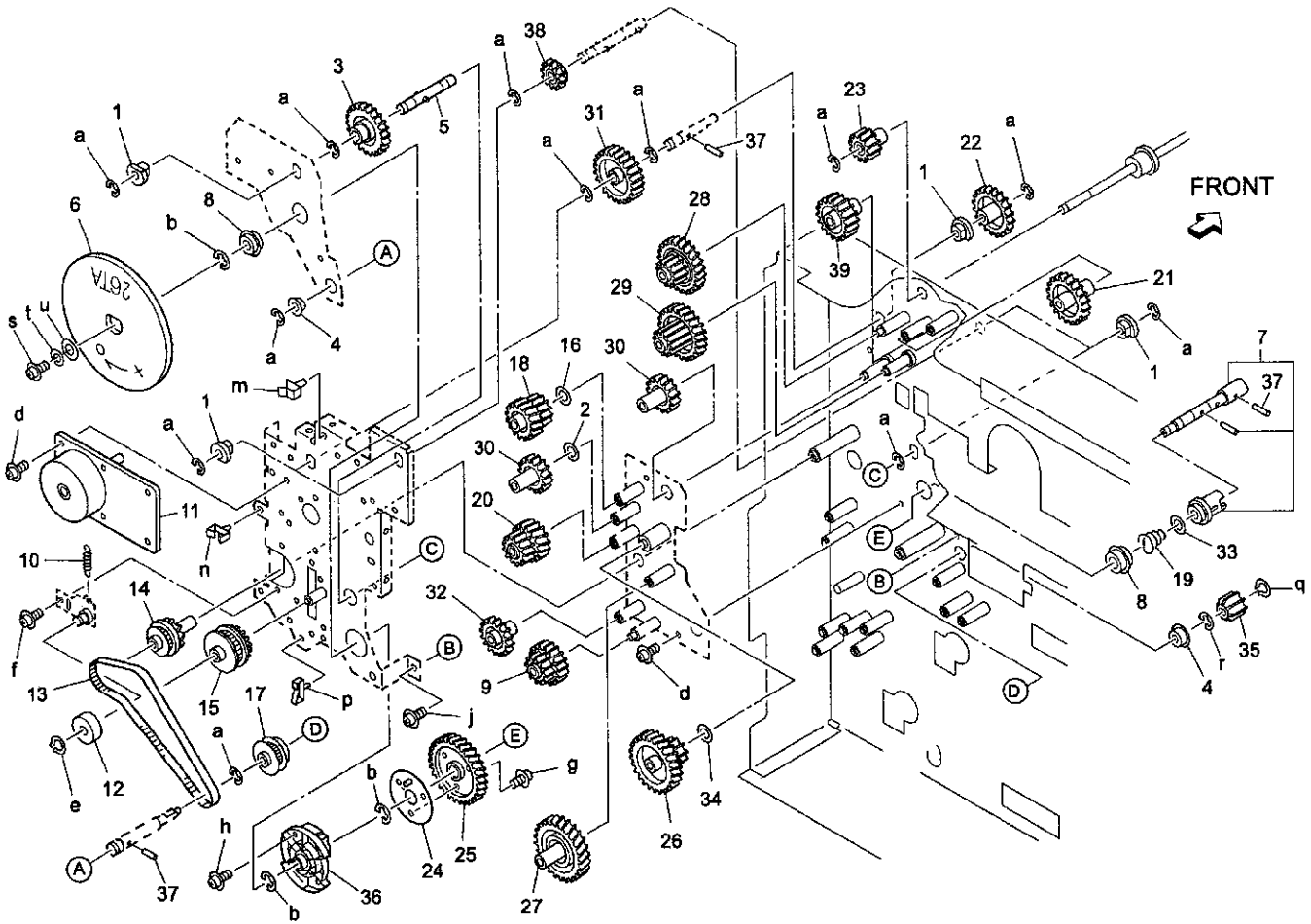
Optics unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-6192	Mirror mount plate/2 assembly
2	26NA61940	Wire pulley
3	26NA61380	Slide part
4	26NA61560	Optics slide plate/front
5	26NA61530	Mirror support plate/front
6	26NA61610	Mirror pressure spring/4
7	26NA61540	Optics mirror/2
8	26NA61600	Mirror pressure spring/3
9	26NA61551	Optics slide plate/rear
10	26NA61590	Wiring guide part/2
11	26NA61370	Reflect mirror
12	26NA83010	Exposure lamp
13	26NA61310	Mirror mount plate/1
14	26NA62060	Mirror adjusting screw
15	26NA61410	Mirror pressure spring
16	26NA61340	Optics mirror/1
17	26NA61390	Wiring guide part/1
18	26NA62220	Paper exit auxiliary sheet
19	26NA61221	Optics wire/front
20	26NA61211	Optics wire/rear
21	26NA61200	Wire driving pulley
22	540076050	Driving shaft holder
23	26NA61750	Pulley fixed plate
24	26TA61920	Driving pulley (Z=70)
25	26TA61930	Motor belt (L=163.5)
26	26TA80020	Scanner driving motor
27	26TA-9051	Scanner driving board assembly
28	26NA-9510	Powering board assembly
29	26NA62170	Wiring regulating sheet
30	*	Not used
31	580388410	Ferrite core
32	26NA62391	Mirror support plate/rear
33	26NA62240	Board cover

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z713186
d	00Z474063
e	00Z193041
f	00Z183101
g	00Z163061
h	00Z163081
j	00Z660306
k	00Z253061
m	00Z183031
n	00Z610421
s	00Z193061

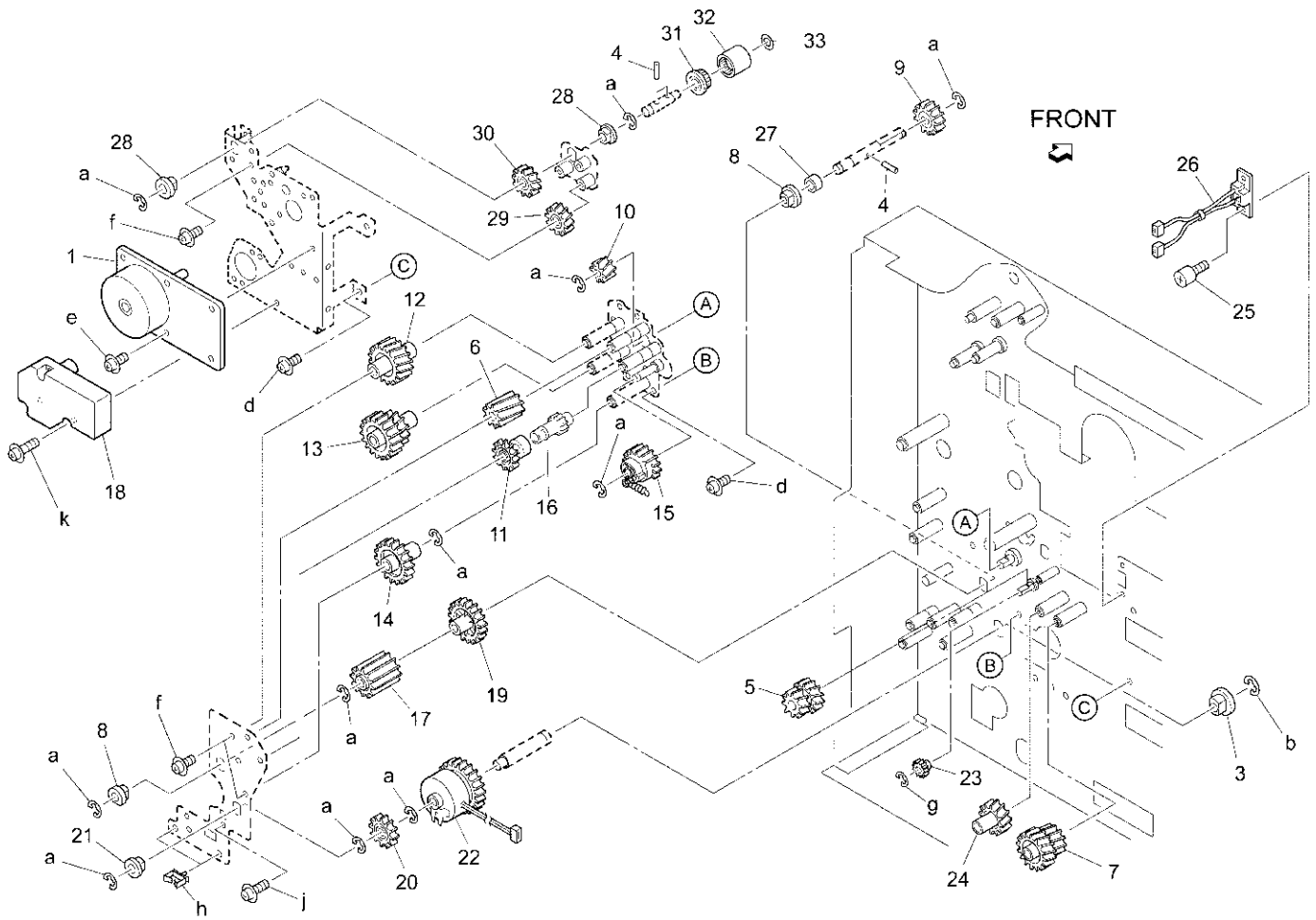
Driving unit



REF. NO.	PART NUMBER	DESCRIPTION
1	466076020	Paper feeding shaft holder
2	26NA17410	Driving spacer/2
3	26NA15690	Collecting gear (Z=54)
4	26NA17280	Developing drive shaft holder
5	26NA-1540	Collecting shaft assembly
6	26TA15030	Drum rotary plate
7	26NA-1531	Drum input shaft assembly
8	26NA53590	Fixing shaft holder/lower
9	26NA16150	Idler gear/D (Z=27/45)
10	26NA17270	Tension spring
11	26TA80010	Drum driving motor
12	26NA17610	Belt tension roller
13	26TA17140	Belt (L=380)
14	26NA15550	Gear/F (Z=32/34)
15	26NA15680	Gear/Q (Z=23/23)
16	190041410	Polyslider 6
17	26TA15750	Agitating gear/A (Z=45)
18	26NA15520	Gear/C (Z=32/50)
19	26NA15200	Coupling spring
20	26NA15540	Gear/E (Z=32/35)
21	26NA17250	Gear/X (Z=45)
22	26TA15730	Gear/J (Z=35)
23	26NA15740	Paper exit gear (Z=26)
24	26NA-1560	Drive plate assembly
25	26NA15600	Drum driving gear (Z=108)
26	26NA15500	Gear/A (Z=26/97)
27	26NA15510	Gear/B (Z=97)
28	26NA15760	Gear/R (Z=21/50)
29	26NA15560	Gear/G (Z=24/49)
30	26NA15630	Gear/M (Z=34)
31	26NA15580	Gear/H (Z=55)
32	26NA16140	Idler gear/C (Z=35)
33	26NA30870	Spring spacer
34	26NA17400	Driving spacer/1
35	26NA17580	Agitating coupling/B
36	26NA-1570	Dumper plate assembly
37	113620600	Pin (A)
38	26TA15080	Gear/D (Z=26)
39	26NA16120	Idler gear/B (Z=43)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z163081
d	00Z193043
e	00Z680806
f	00Z163061
g	00Z193041
h	00Z253081
j	00Z193061
k	00Z474063
m	00Z926903
n	00Z921302
p	00Z921941
q	00Z600306
r	00Z670306
s	00Z184081
t	00Z620401
u	00Z610401

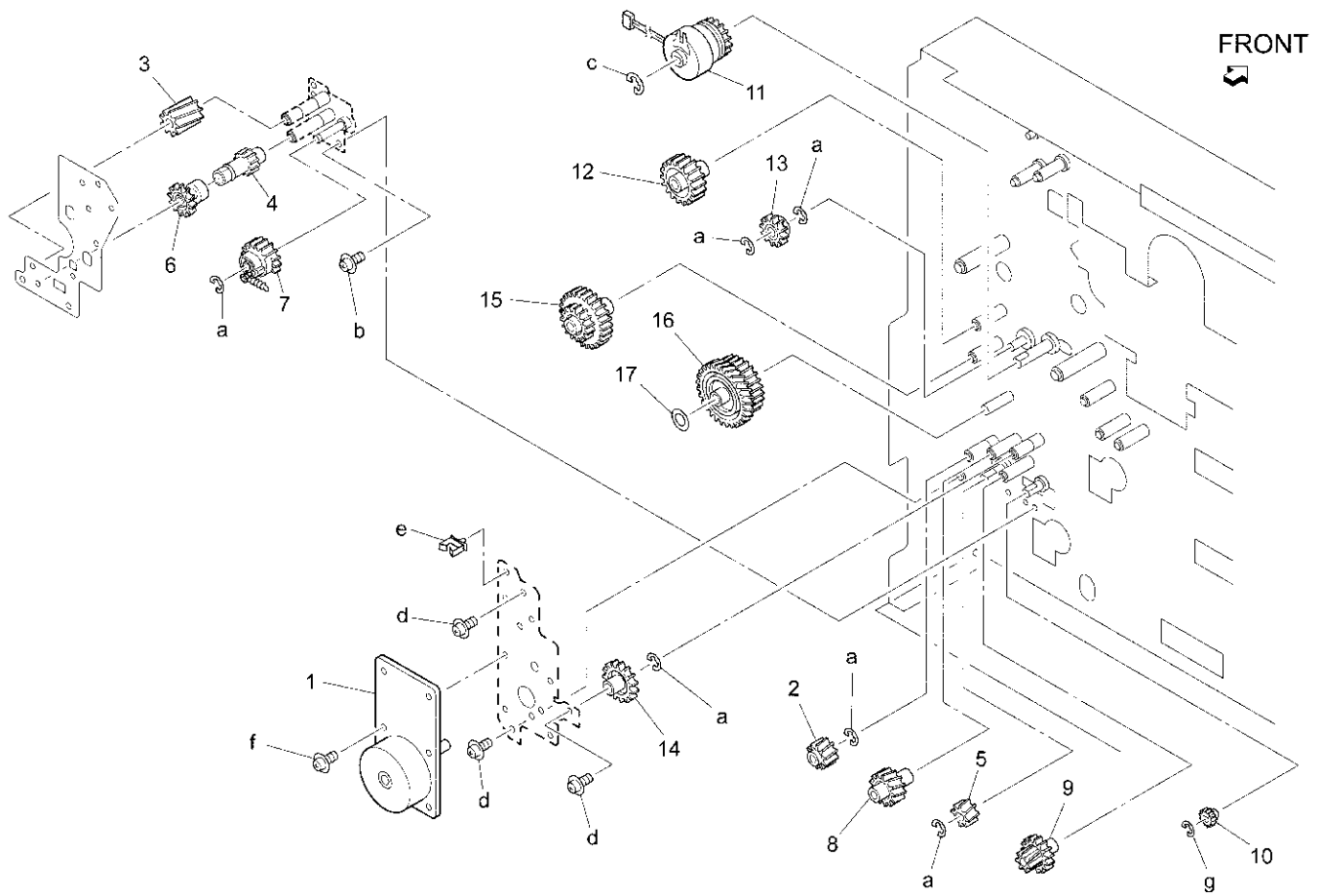
Driving unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA80010	Drum driving motor
2	*	Not used
3	26NA40820	Bearing
4	113620600	Pin (A)
5	26NA17060	Developing drive gear/3 (Z=25/28)
6	26NA16270	Idler gear/L (Z=16)
7	26NA17040	Developing drive gear/1 (Z=23/52)
8	26NA76010	Paper feed shaft holder
9	26NA17600	Manual feed driving gear/2
10	26NA16260	Driving gear (Z=15)
11	26NA17480	Paper feed coupling gear/A (Z=25)
12	26NA16300	Idler gear/O (Z=35)
13	26NA16210	Idler gear/G (Z=21/35)
14	26NA16200	Idler gear/F (Z=41)
15	26NA-1680	Paper feed gear/2 assembly
16	26NA17490	Paper feed coupling gear/B (Z=20)
17	26NA16160	Manual feed driving gear/1 (Z=25)
18	26NA80041	Cassette driving motor
19	26NA16170	Idler gear/E (Z=45)
20	26NA16190	Gear (Z=25)
21	684276031	Paper exit shaft holder
22	26NA82020	Paper feed clutch
23	26NA16310	Paper feed gear (Z=15)
24	26NA17050	Developing drive gear/2 (Z=27)
25	066079020	Drawer
26	26TA90340	Developing relay wiring
27	26NA50980	Conveyance spacer
28	322076010	Paper lift-up lever shaft holder
29	26NA17550	Developing drive gear/7 (Z=39)
30	26NA17540	Developing drive gear/6 (Z=32)
31	26NA17560	Developing input coupling/A
32	26NA17570	Developing input coupling/B
33	26NA17590	Spacer/B

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
d	00Z283061
e	00Z193043
f	00Z193061
g	00Z670306
h	00Z921322
j	00Z193181
k	00Z193121

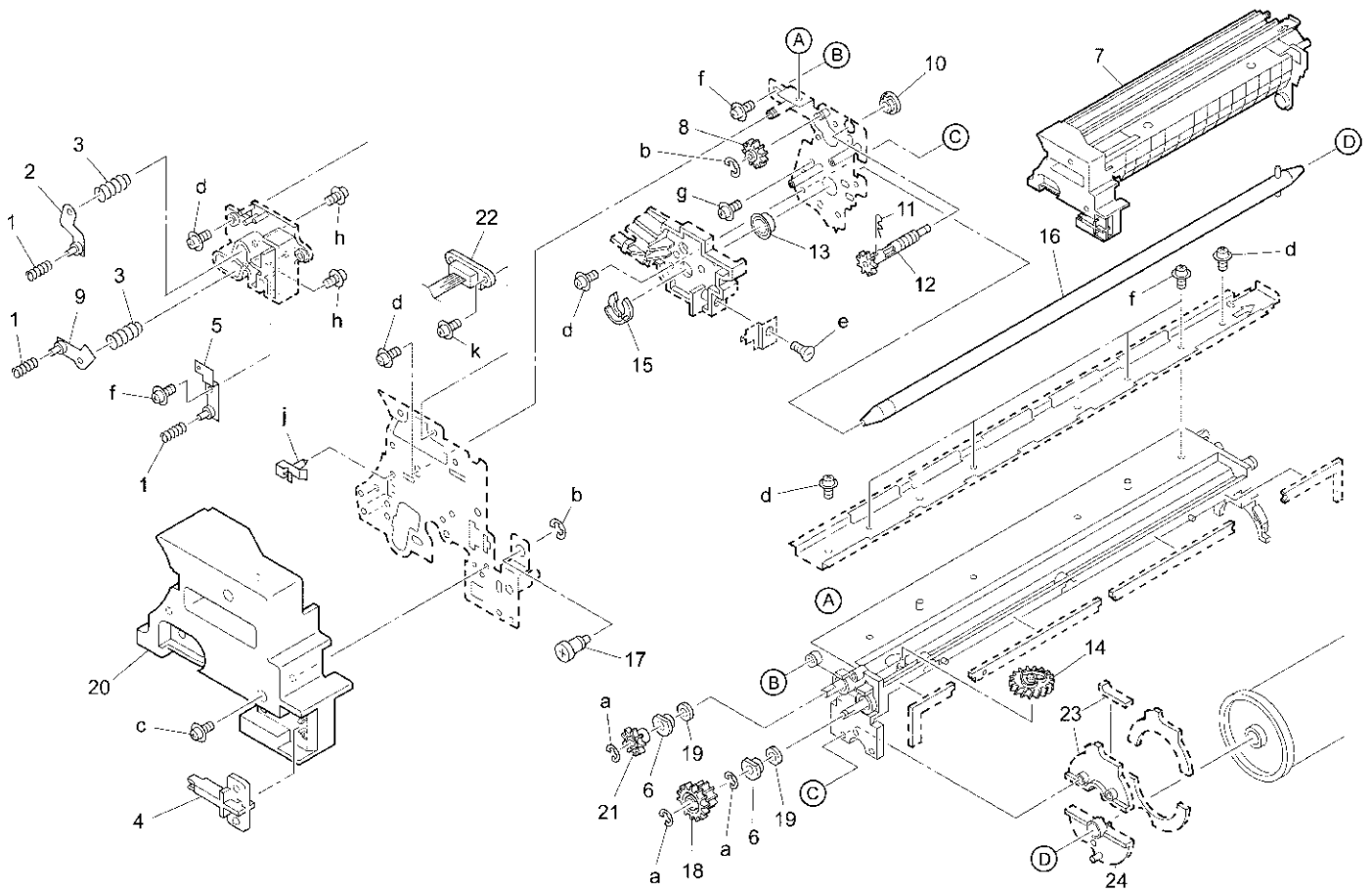
Driving unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA80010	Drum driving motor
2	26NA16250	Idler gear/K (Z=20)
3	26NA16270	Idler gear/L (Z=16)
4	26NA17490	Paper feed coupling gear/B (Z=20)
5	26NA16260	Driving gear (Z=15)
6	26NA17480	Paper feed coupling gear/A (Z=25)
7	26NA-1690	Paper feed gear/3 assembly
8	26NA16240	Idler gear/J (Z=25)
9	26NA16230	Idler gear/I (Z=15/25)
10	26NA16310	Paper feed gear (Z=15)
11	26NA82010	Resist clutch
12	26NA16120	Idler gear/B (Z=43)
13	26NA16130	Clutch gear/1 (Z=27)
14	26NA16220	Idler gear/H (Z=33)
15	26NA16110	Idler gear/A (Z=27/54)
16	26NA17260	Paper feed driving gear (Z=52/97)
17	190041410	Polyslider 6

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z283061
c	00Z670506
d	00Z193061
e	00Z921322
f	00Z193043
g	00Z670306

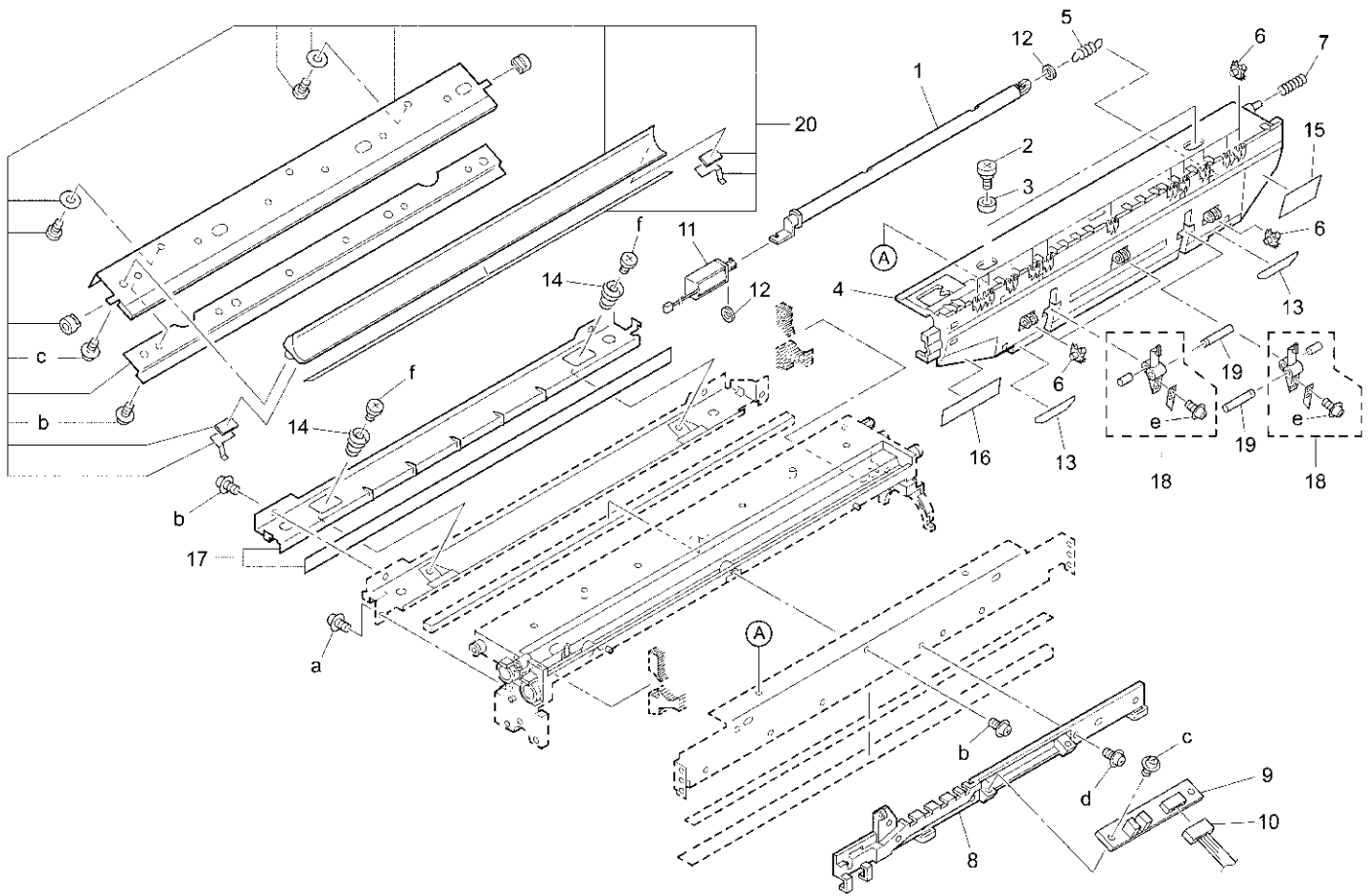
Drum cartridge



REF. NO.	PART NUMBER	DESCRIPTION
1	392045260	Electrode connecting spring(B)
2	26NA-2220	Charging electrify plate/B assembly
3	40AA73191	Charging input spring
4	26NA21340	Drum rotary part
5	26NA-2230	Developing electrify plate assembly
6	26NA20140	Screw shaft holder
7	26TA-9900	Drum unit assembly
8	26NA20420	Idler gear (Z=25)
9	26NA-2210	Charging electrify plate/A assembly
10	26NA20380	Rocking shaft holder
11	26NA20920	Shaft fixed part
12	26NA20570	Separation rocking gear (Z=18)
13	26NA21360	Drum support shaft holder
14	26NA20580	Separation rocking cam
15	26NA20940	Drum support part
16	26NA-2140	Drum shaft assembly
17	26NA21440	Cartridge screw
18	26NA20170	Agitating gear (Z=19/30)
19	26NA20710	Felt/A
20	26TA20350	Cartridge cover/front
21	26NA20160	Screw gear (Z=24)
22	26TA90070	Drum wiring
23	26NA-2110	Blade seal block/F assembly
24	26NA-2290	Blade seal block/1 assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193043
d	00Z193061
e	00Z263081
f	00Z253081
g	00Z253121
h	00Z183061
j	00Z921913
k	00Z193081

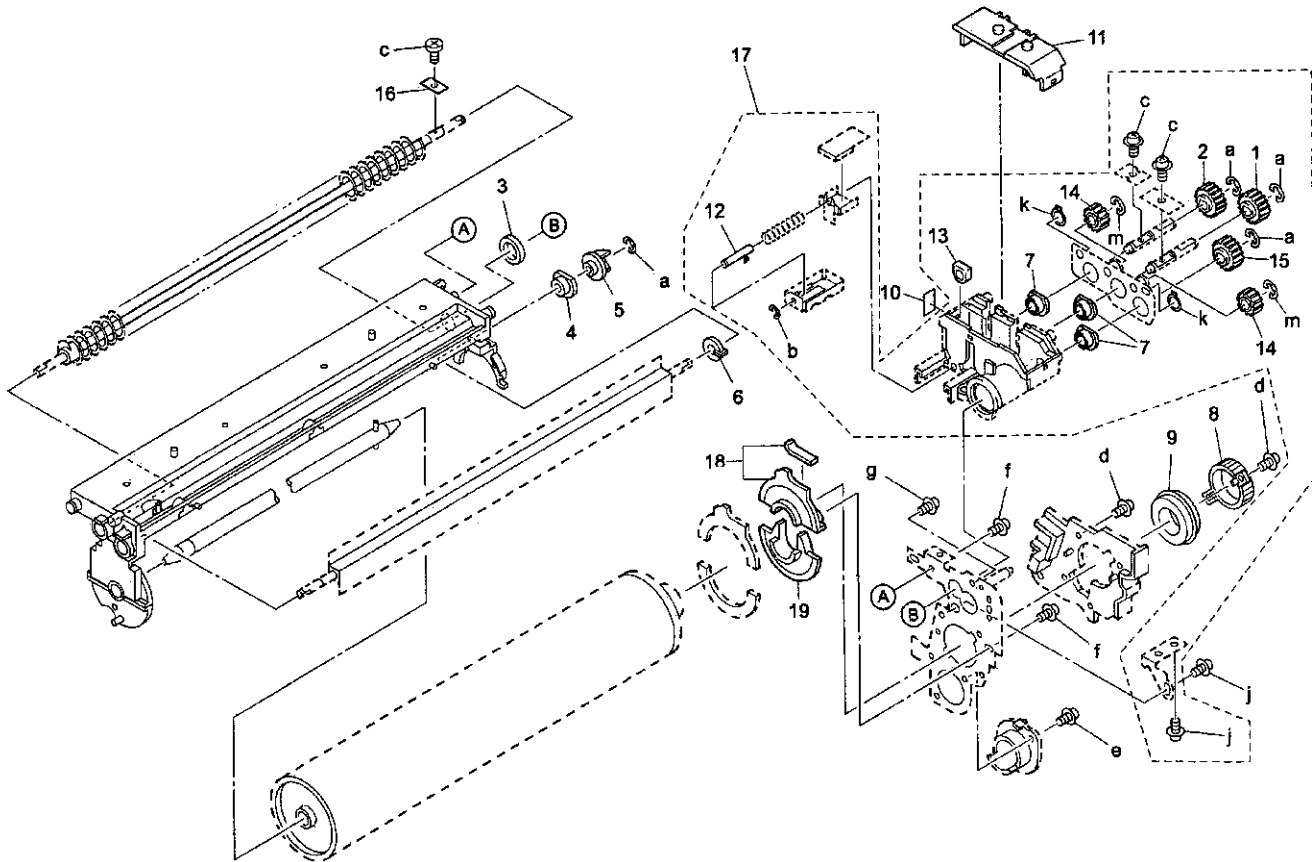
Drum cartridge



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA20270	Separate release lever
2	26NA20310	Separate rocking screw
3	26NA20300	Separate rocking collar
4	26NA20241	Separate guide plate
5	40AA20230	Separate release spring
6	26TA20320	Separate auxiliary roller
7	26NA20290	Separate rocking spring
8	26NA20950	Wiring guide part
9	26NA-9180	Toner detecting board assembly
10	26NA90310	Wiring/1
11	26NA-2260	Separate solenoid assembly
12	26NA21380	Solenoid seal
13	26NA21400	Paper guide sheet/A
14	26TA20190	Blade pressure spring
15	26NA21420	Paper guide sheet/C
16	26NA21430	Paper guide sheet/D
17	26TA-2240	Spewing preventive plate/A assembly
18	26NA-2180	Separate claw assembly
19	40AA20170	Separate fulcrum shaft
20	26TA-2090	Cleaning blade assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193043
b	00Z193061
c	00Z253081
d	00Z193041
e	00Z242061
f	00Z183061

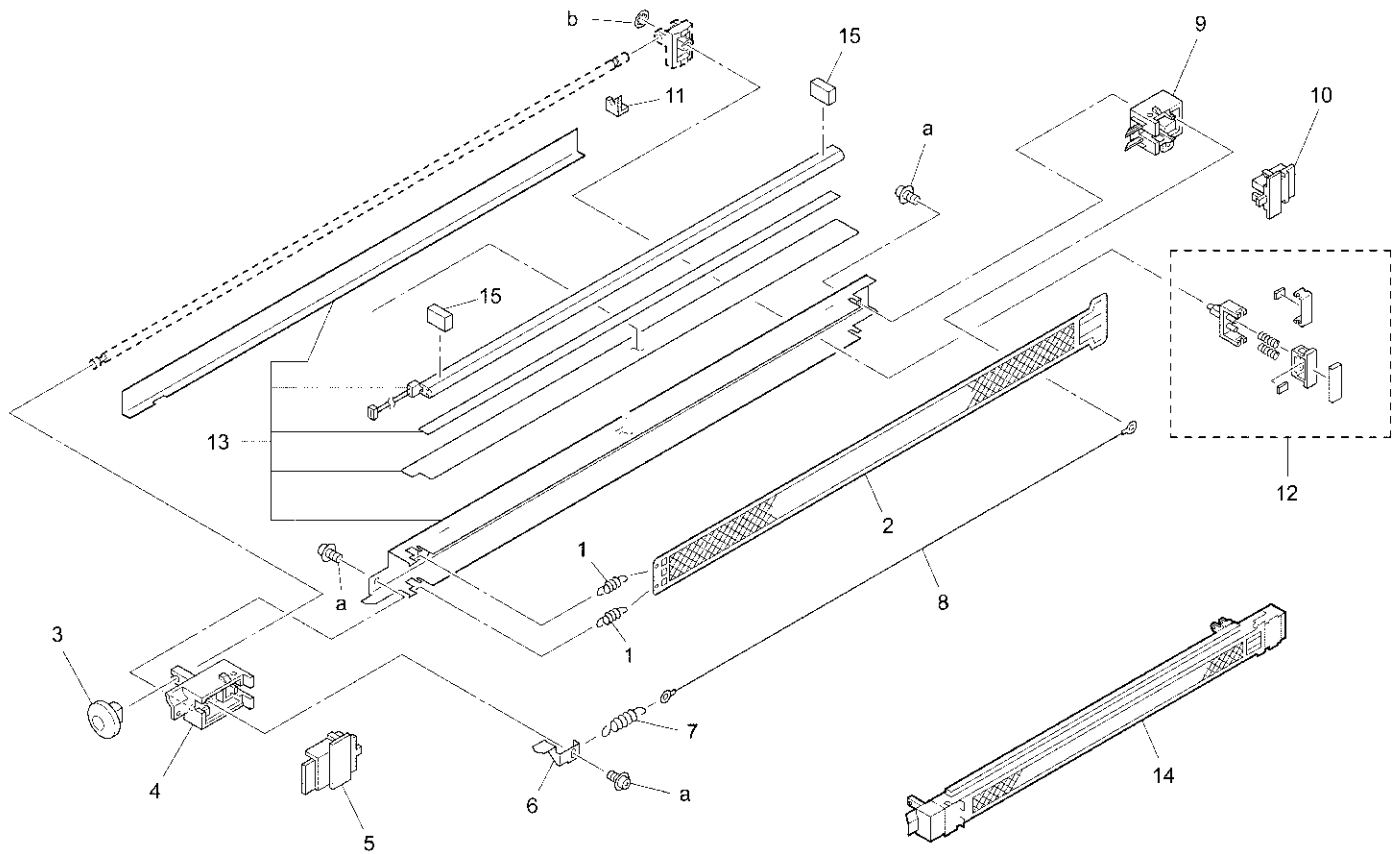
Drum cartridge



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA21470	Toner conveyance gear/2 (Z=18)
2	26TA21480	Toner conveyance gear/3 (Z=16)
3	26NA20220	Cleaner collect seal
4	26NA20140	Screw shaft holder
5	26NA20560	Toner collect coupling
6	26NA21160	Shaft holder spacer
7	26NA21280	Screw shaft holder/B
8	26NA20250	Shaft holder fulcrum part
9	26NA20480	Drum shaft holder/F
10	26TA21610	Spewing PV sheet/B
11	26TA-2270	Collect cover/C assembly
12	26NA20870	Cleaner auxiliary part
13	26TA21540	Recycling shaft holder
14	26TA21490	Toner conveyance gear/4 (Z=13)
15	26TA21460	Toner conveyance gear/1 (Z=19)
16	26TA21510	Agitator plate/A
17	26TA-2050	Screw guide/rear assembly
18	26NA-2120	Blade seal block/F assembly
19	26NA-2300	Blade seal block/I assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670206
c	00Z112021
d	00Z193061
e	00Z163061
f	00Z253101
g	00Z253121
j	00Z253081
k	00Z600306
m	00Z670256

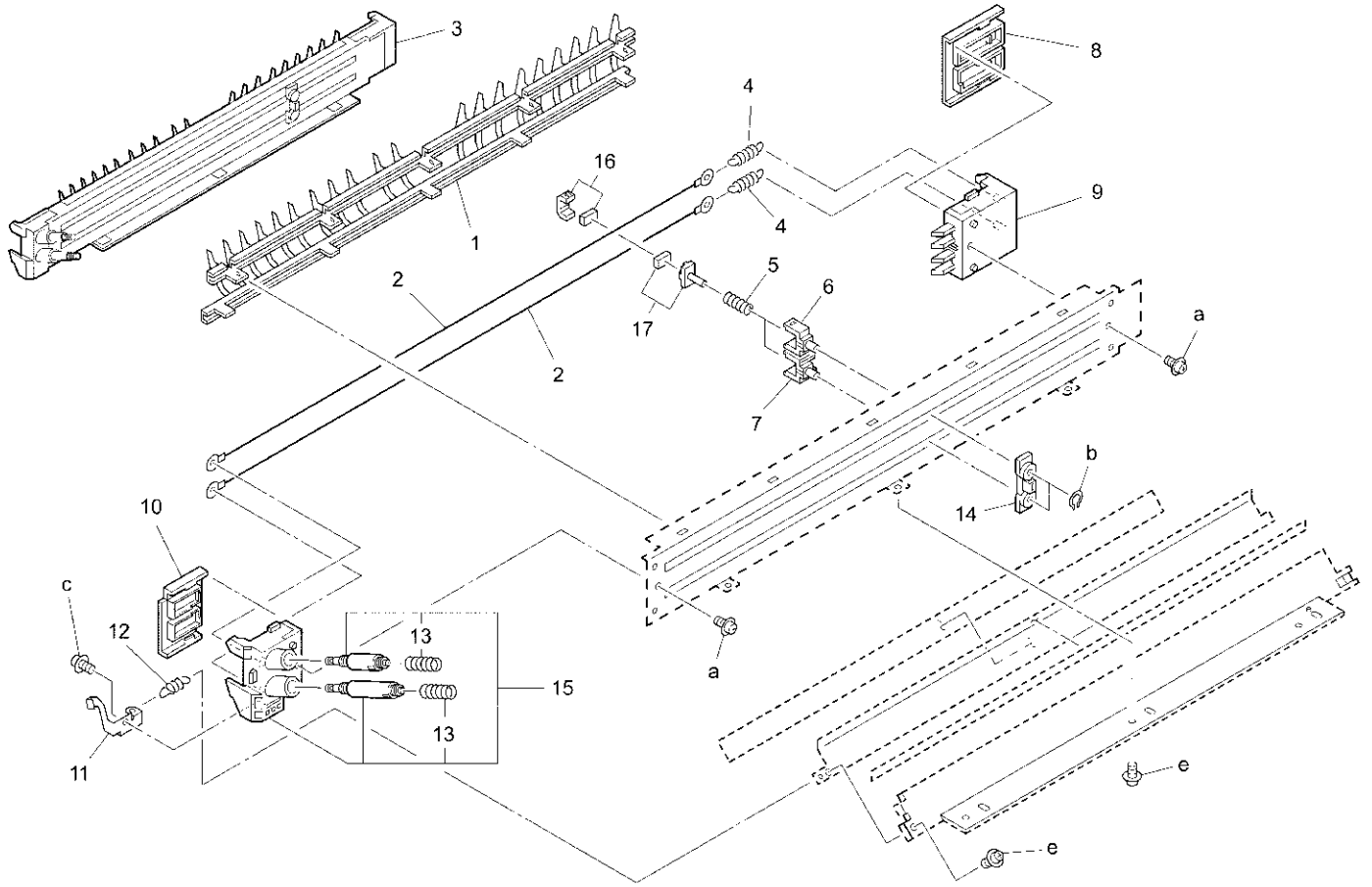
Charging corona unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA25180	Charging spring
2	26NA25160	Charging control plate
3	540025121	Charging cleaning knob
4	26NA25020	Charging block/front
5	26NA25040	Spark arrester preventive plate/front
6	26NA25070	Charging electrode plate
7	26NA25170	Wire tension spring
8	26NA25060	Charging wire
9	26NA25010	Charging block/rear
10	26NA25050	Spark arrester preventive plate/rear
11	25HA25100	Shaft stopper part
12	26NA-2520	Charging cleaning assembly
13	26NA-2510	Charging discharge plate assembly
14	26NA-2500	Charging corona unit
15	26NA73801	Regulating seal/A

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253061
b	00Z660306

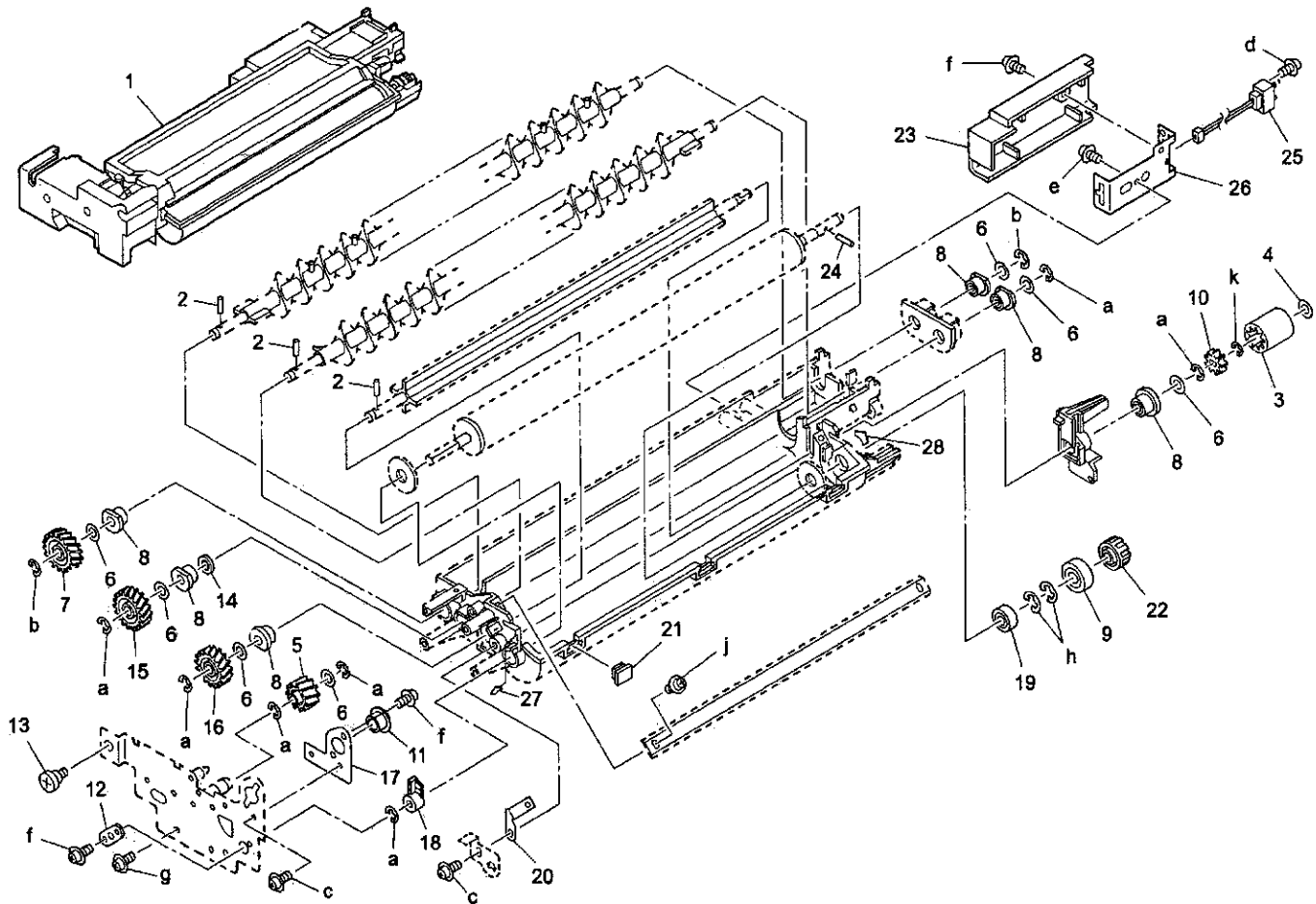
Transfer/separator unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA26190	Separate bridge
2	26NA26080	Discharge wire
3	26NA-2600	Transfer separator corona unit
4	26NA26230	Wire tension spring
5	26NA25130	Cleaner pressure spring
6	26NA26270	Transfer cleaning part/E
7	26NA26150	Transfer cleaning part/B
8	26NA26070	Spark arrester preventive plate/rear
9	26NA26040	Transfer separator block/rear
10	26NA26060	Spark arrester preventive plate/front
11	26NA26250	Electrode plate
12	26NA26260	Electrode spring
13	26NA73251	Electrode connecting spring/A
14	26NA26140	Transfer cleaning part/A
15	26NA-2620	Transfer separator block/front
16	26NA-2640	Cleaner cover assembly
17	26NA-2630	Cleaner shaft assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z600406
c	00Z24B061
e	00Z112031

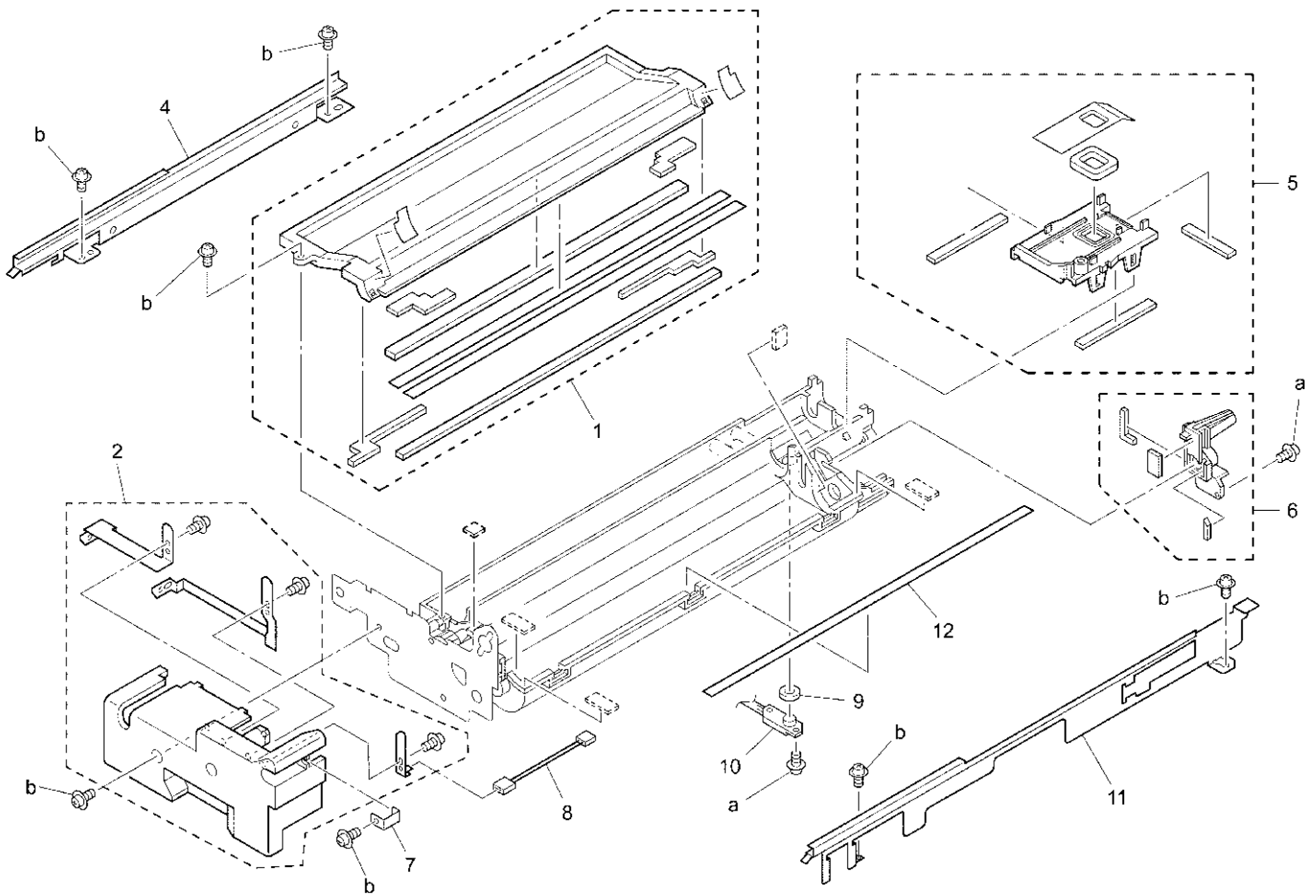
Developing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3000	Developing unit
2	466078010	Pin (A)
3	26NA30950	Agitate coupling/A
4	26NA30960	Spacer/C
5	26NA30170	Idler gear (Z=19)
6	26NA30850	Shaft holder spacer
7	26NA30810	Developing gear/C (Z=27)
8	26NA30770	Developing shaft holder
9	26NA30660	Developing guide shaft holder
10	26NA30730	Agitate coupling
11	26NA21360	Drum support shaft holder
12	26NA30750	Developing adjusting cam/front
13	26NA31010	Positioning screw
14	26NA30940	Developing seal/S
15	26NA30150	Agitate gear/B (Z=27)
16	26NA30140	Agitate gear/A (Z=27)
17	26NA30860	Shaft holder fulcrum part
18	26NA30630	Developing shaft holder/front
19	26NA30650	Developing shaft holder/rear
20	26NA30360	Developing connecting plate
21	26NA30840	Developing block
22	26NA30700	Developing gear
23	26NA30490	Developing electrode cover
24	113620600	Pin (A)
25	26TA90250	Development wiring
26	26NA30470	Developing electrode stay
27	26NA30980	Developing seal/T
28	26NA30990	Developing seal/U

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670506
c	00Z163061
d	00Z183061
e	00Z253061
f	00Z193061
g	00Z253081
h	00Z670606
j	00Z163081
k	00Z670306

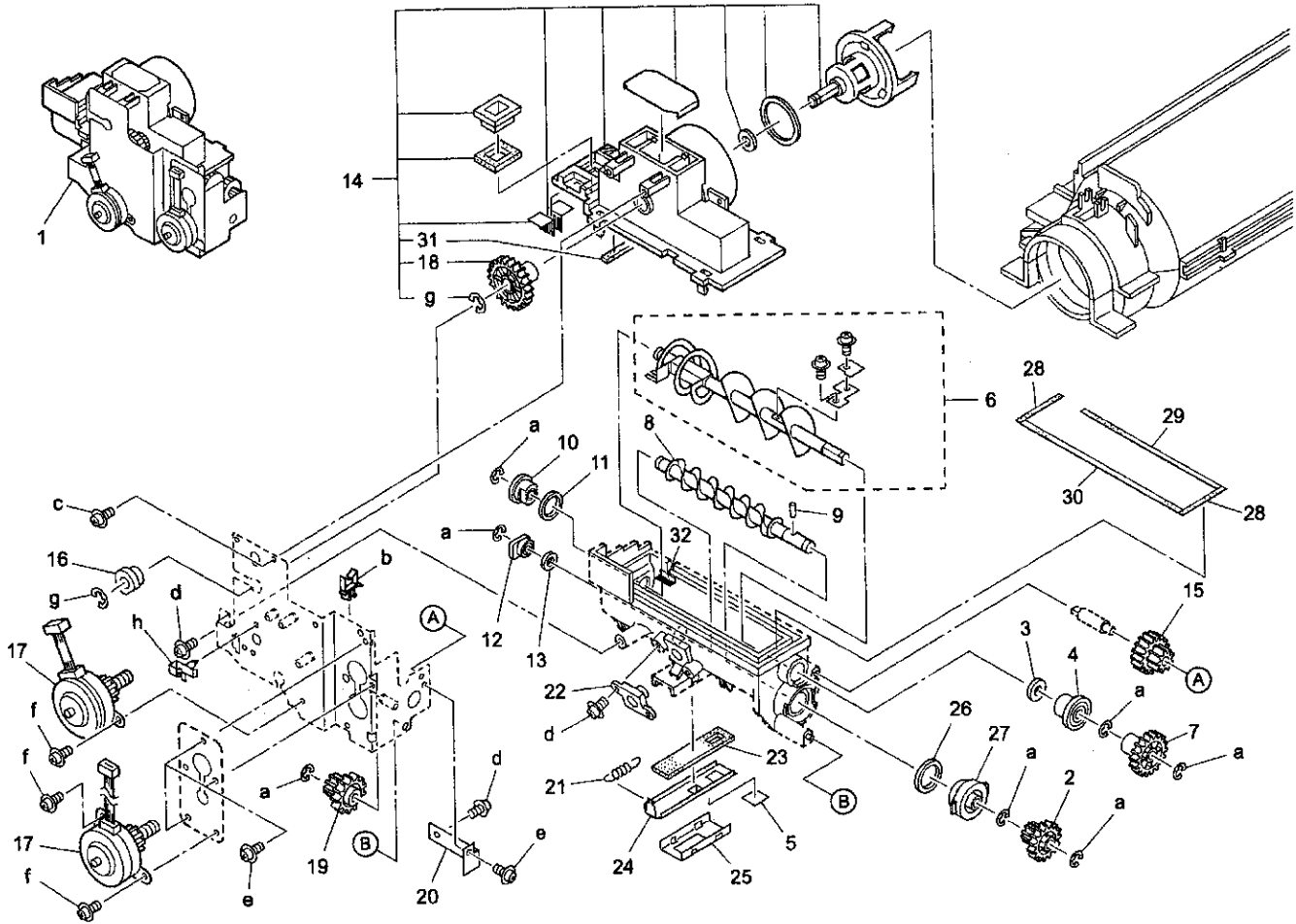
Developing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3060	Developing cover assembly
2	26NA-3040	Developing cover assembly
3	*	Not used
4	26NA30740	Developing rail/left
5	26NA-3050	Developing cover part/A assembly
6	26NA-3020	Developing cover part/C assembly
7	26NA30930	Developing support stopper
8	26NA90350	Developing relay wiring/2
9	029420640	L detecting seal
10	26NA88040	Toner density sensor
11	26TA30710	Developing rail/right
12	26NA30440	Spewing preventive sheet/2

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253061
b	00Z193061

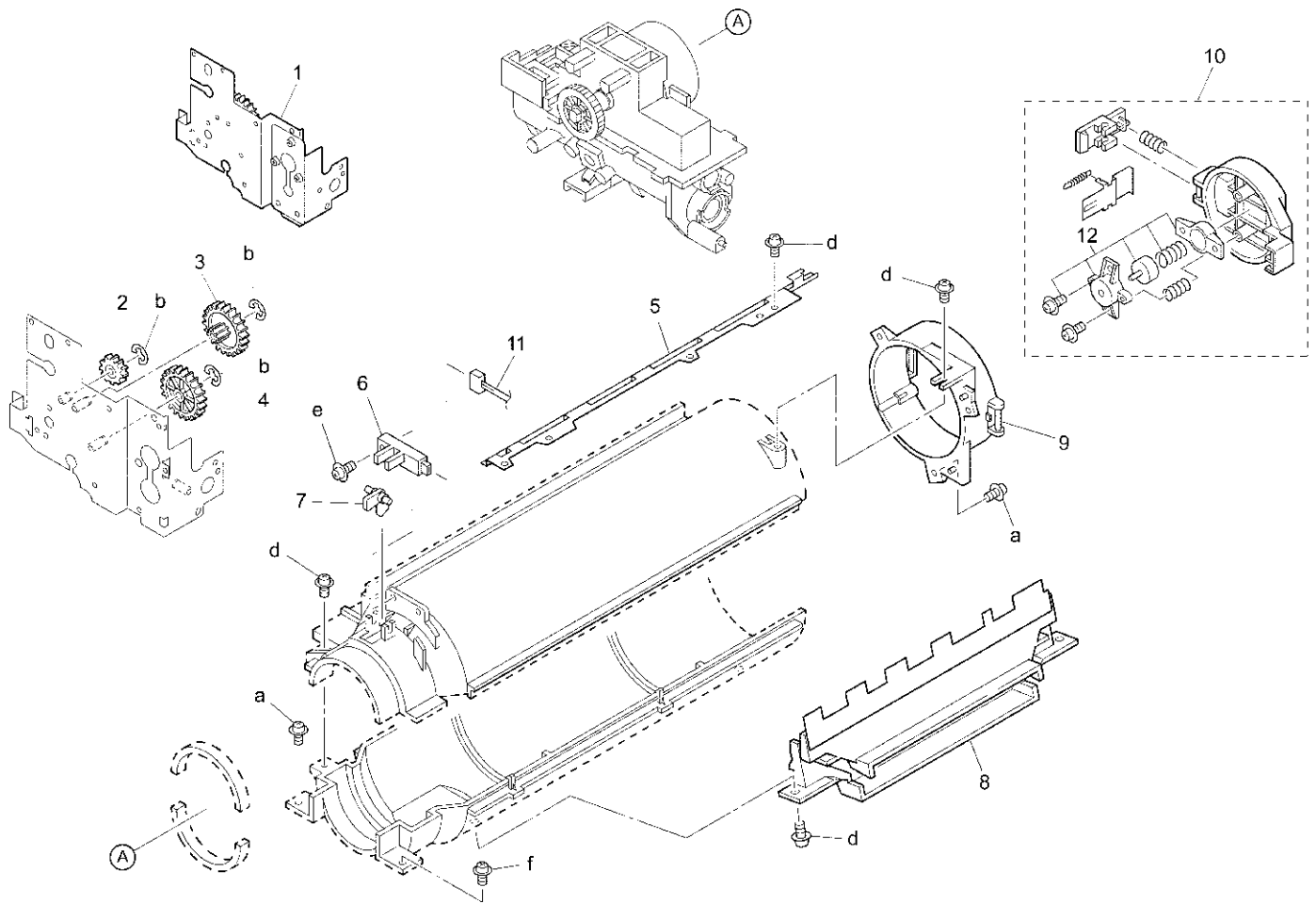
Toner supply unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3200	Toner supply unit
2	26NA32510	Toner conveyance gear/1 (Z=16/24)
3	26NA32960	Felt/C
4	25HA32152	Toner conveyance shaft holder/A
5	26NA32900	Spewing preventive spacer
6	26NA-3250	Agitate screw assembly
7	26NA32530	Toner conveyance gear/4 (Z=34)
8	26NA32040	Toner supply screw
9	26NA32970	Pin
10	26NA32540	Toner agitate shaft holder
11	26NA32280	Screw seal part/upper
12	26NA32550	Toner agitate shaft holder/right
13	26NA32200	Screw seal part/lower
14	26NA-3221	Toner supply base/upper assembly
15	26NA32520	Toner conveyance gear/3 (Z=13/30)
16	26NA32660	Toner supply shaft holder
17	26NA80060	Toner supply motor
18	26NA32590	Toner supply regulating gear (Z=42)
19	26NA32680	Toner conveyance gear/5 (Z=16/23)
20	26NA32470	Driving auxiliary plate
21	26NA32090	Toner supply open-close spring
22	40AA88030	Remained detecting sensor
23	26NA32300	Toner supply open-close sheet
24	26NA32080	Toner supply open-close plate
25	26NA32430	Toner supply open-close cover
26	26NA32270	Screw seal part/middle
27	26NA32560	Toner agitate shaft holder/left
28	26NA32930	Toner supply seal/3
29	26NA32920	Toner supply seal/2
30	26NA32910	Toner supply seal/1
31	26NA32940	Toner supply seal/4
32	26TA33010	Toner agitate sheet/front

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z921301
c	00Z283061
d	00Z253081
e	00Z193041
f	00Z143041
g	00Z670506
h	00Z921941

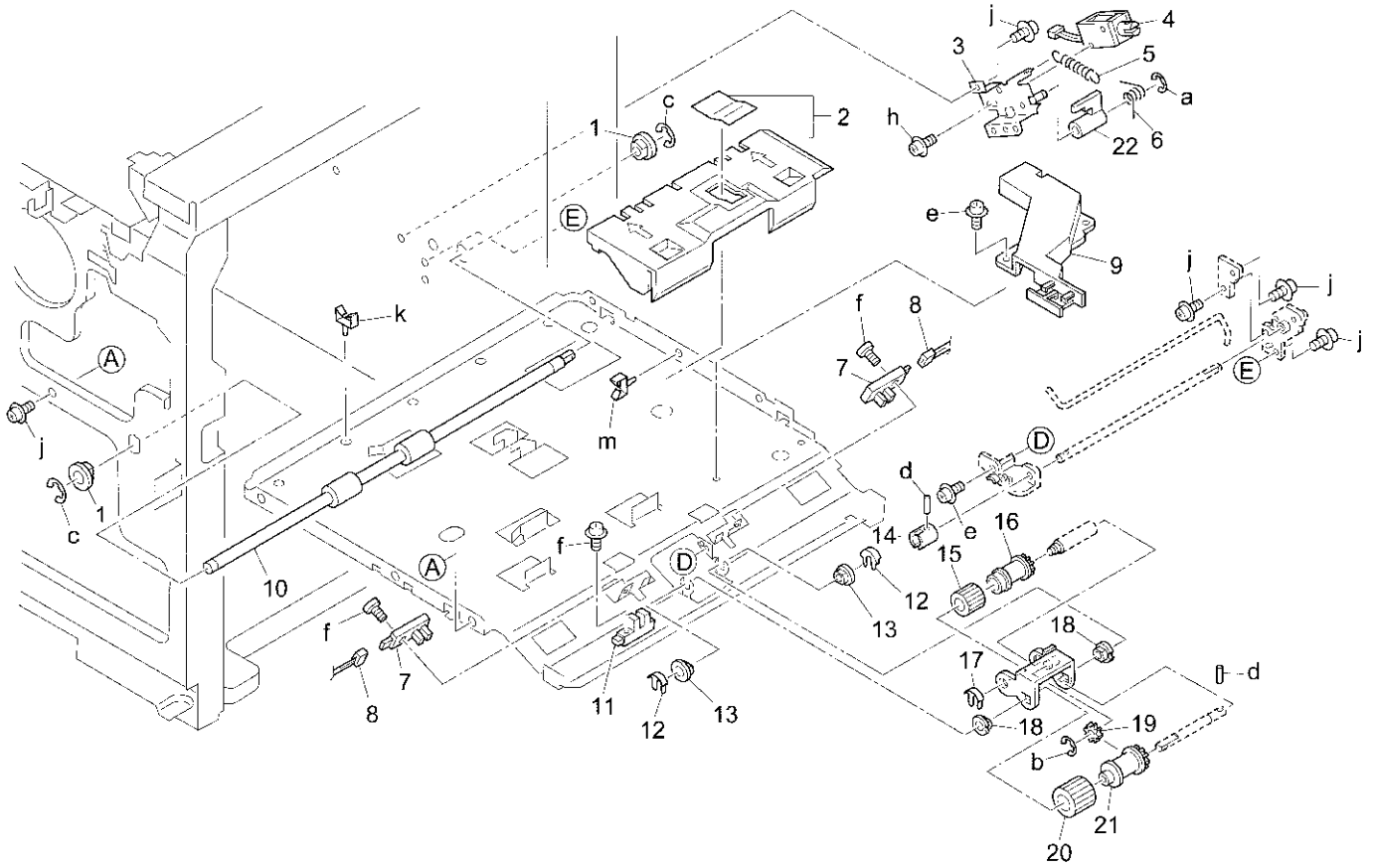
Toner supply unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3230	Toner supply driving assembly
2	26TA32580	Toner supply regulating gear (Z=18)
3	26TA32640	Toner supply gear/2 (Z=16/51)
4	26TA32610	Toner supply gear/1 (Z=23/51)
5	26NA10350	Rail/left
6	552085510	Photosensor
7	26NA32230	Detecting actuator/A
8	26NE-7620	Cooling cover/E assembly
9	26TE-3340	Toner supply guide part assembly
10	26TA-3320	Toner cartridge pressure assembly
11	26NA90330	Wiring/3
12	26TA-3330	Pressure assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z283061
b	00Z670406
d	00Z253081
e	00Z253141
f	00Z194061

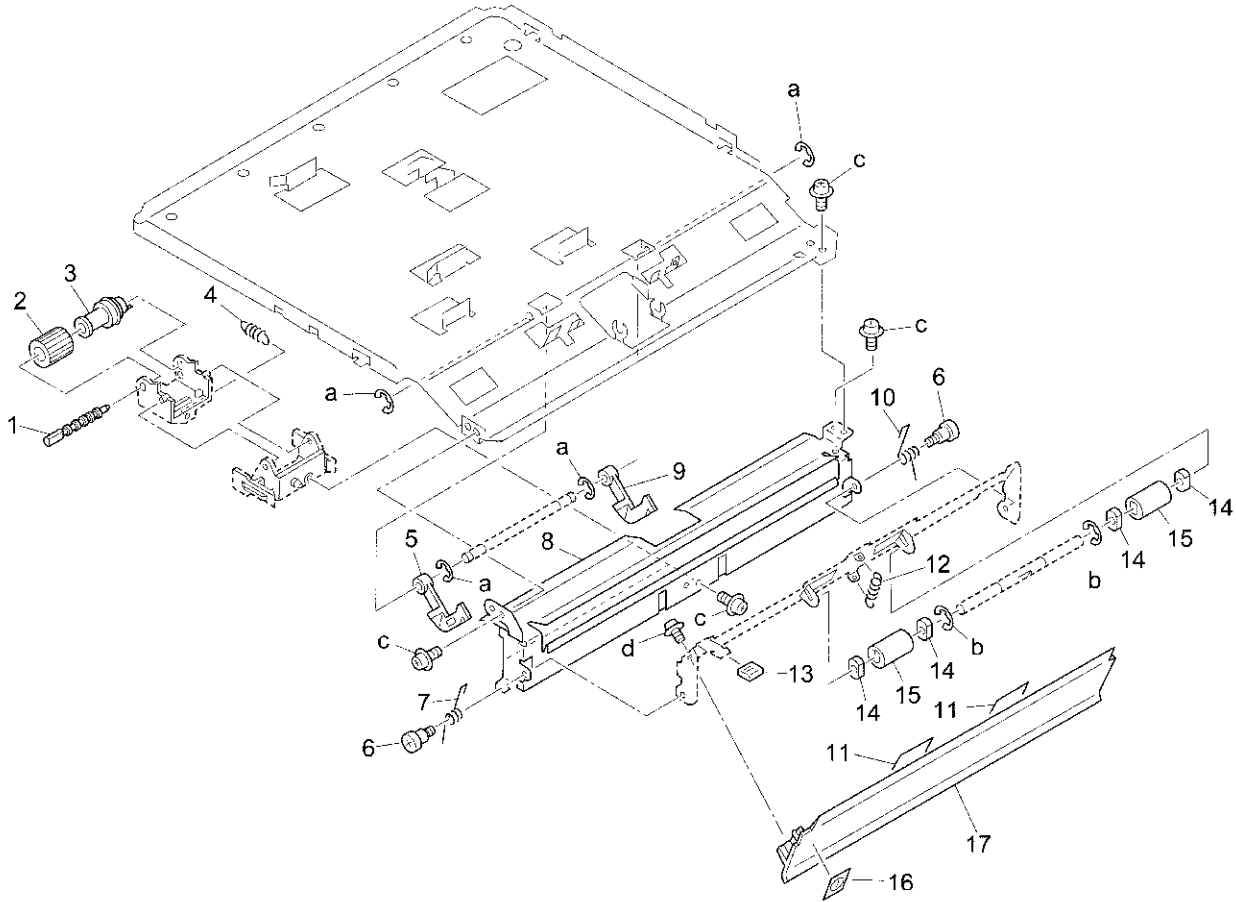
Paper feed unit (upper)



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA40820	Paper feed slide holder
2	26PA-4140	Toner cover assembly
3	26NA-4190	Solenoid mount plate assembly
4	26NA82510	Paper feed solenoid
5	26NA40810	Paper feeding spring
6	26NA40760	Lever hold spring
7	552085510	Photosensor
8	26PA90120	Paper feed wiring/upper
9	26TA73490	Wiring guide bridge
10	26NA40231	Paper feed connecting roller/1
11	25AA85511	Photosensor
12	26NA40700	Shaft positioning part
13	540076010	Paper feed shaft holder
14	26NA40160	Driving coupling
15	26NA40090	Paper feeding rubber
16	26NA40080	Feeding roller
17	40AA40150	Shaft positioning part
18	40AA76040	Feeding shaft holder
19	26NA40510	Paper feed idler gear (Z=17)
20	26NA40110	Double feed preventive rubber/upper
21	26NA40100	Double feed preventive roller/upper
22	26NA40830	Positioning arm

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z712106
e	00Z193061
f	00Z193101
h	00Z163051
j	00Z283061
k	00Z921302
m	00Z921942

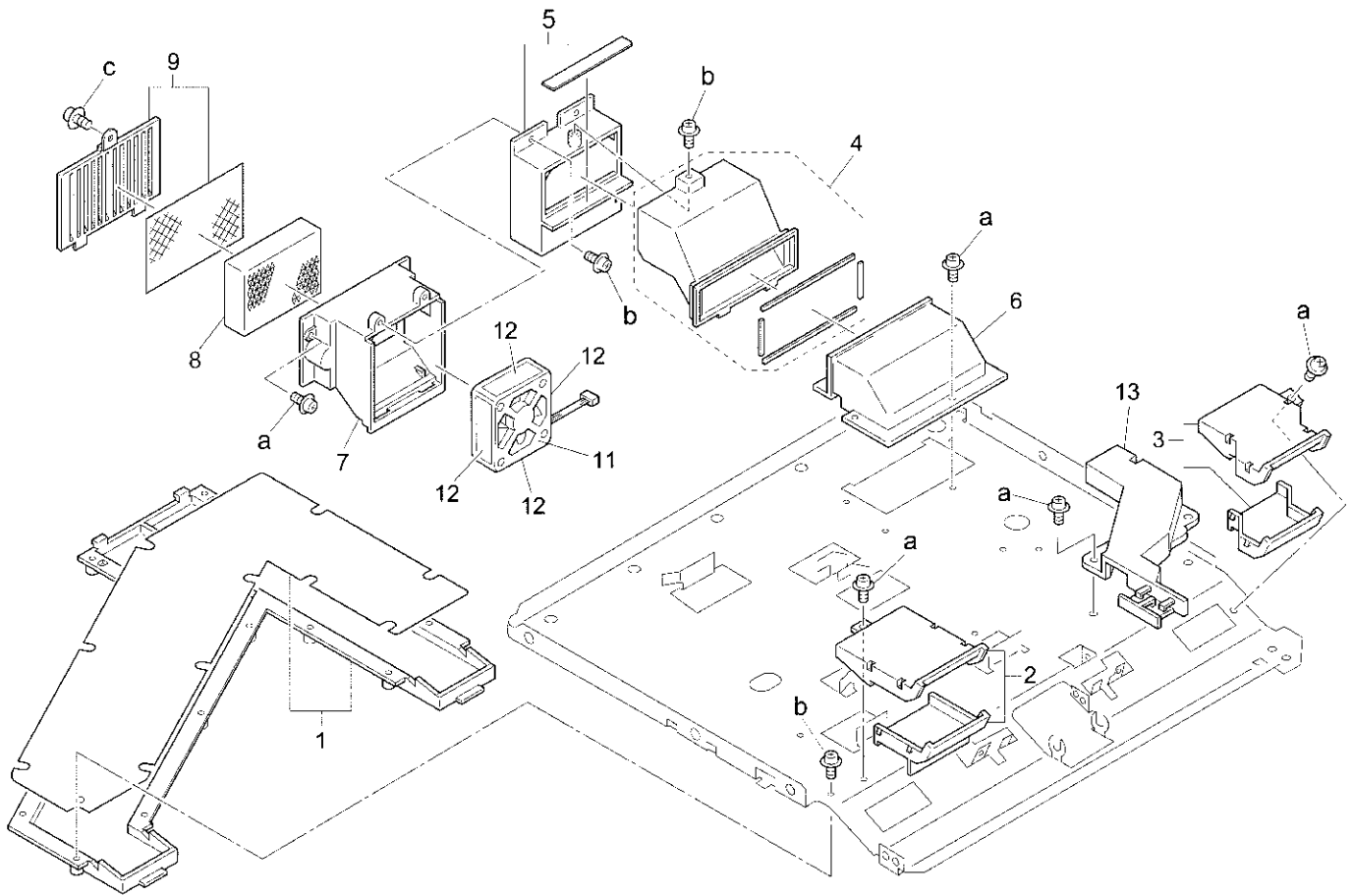
Paper feed unit (upper)



REF. NO.	PART NUMBER	DESCRIPTION
1	40AA40181	Lever click shaft
2	26NA40120	Double feed preventive rubber/lower
3	26NA40500	Double feed preventive roller
4	40AA40450	Double feed pressure spring
5	26NA40280	Paper detecting actuator
6	066079020	Drawer
7	26NA40631	Paper feed pressure spring/front
8	26PA40030	Paper feed guide plate/upper
9	26NA40750	Paper detecting actuator/2
10	26NA40641	Paper feed pressure spring/rear
11	26NA40910	Paper feed guide sheet/A
12	26NA40261	Conveyance pressure spring
13	26NA40781	Paper feed support knob
14	25AA75530	Slide shaft holder
15	26NA42560	Manual feed driven roller
16	26NA97430	Lever indication label/1
17	26NA40221	Paper feed auxiliary part

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193061
d	00Z253081

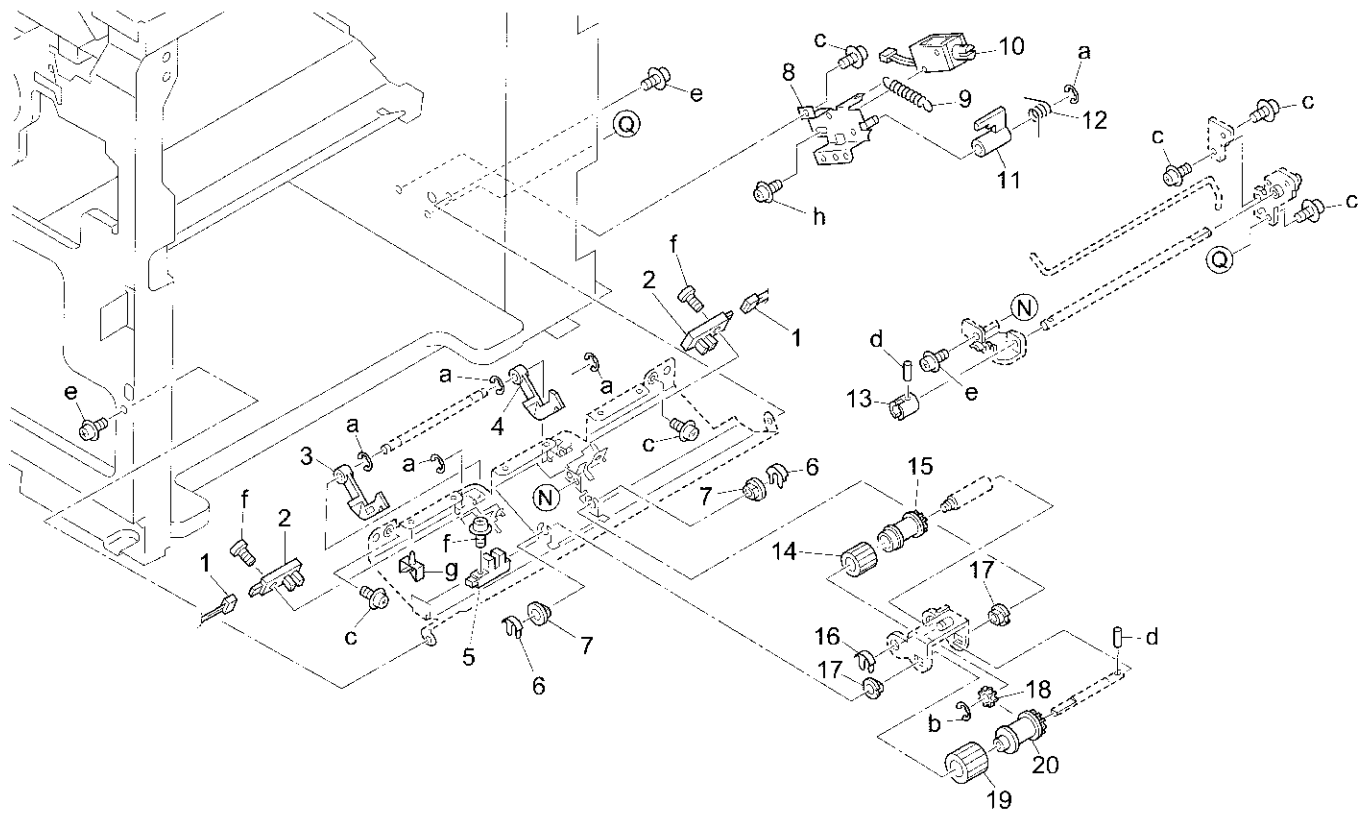
Suction unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3160	Suction cover sticking assembly
2	26TA-3110	Suction cover/2 assembly
3	26TA-3120	Suction cover/3 assembly
4	26TA-3130	Suction cover/6 assembly
5	26TA-3150	Fan cover/2 assembly
6	26TA31050	Suction cover/5
7	26TA31080	Fan cover/1
8	26TA31110	Suction filter/A
9	26TA-3140	Filter cover assembly
11	26NA80510	Main fan motor
12	26NA73731	Dust proof seal/5
13	26TA73490	Wiring guide bridge

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z253081
c	00Z193062

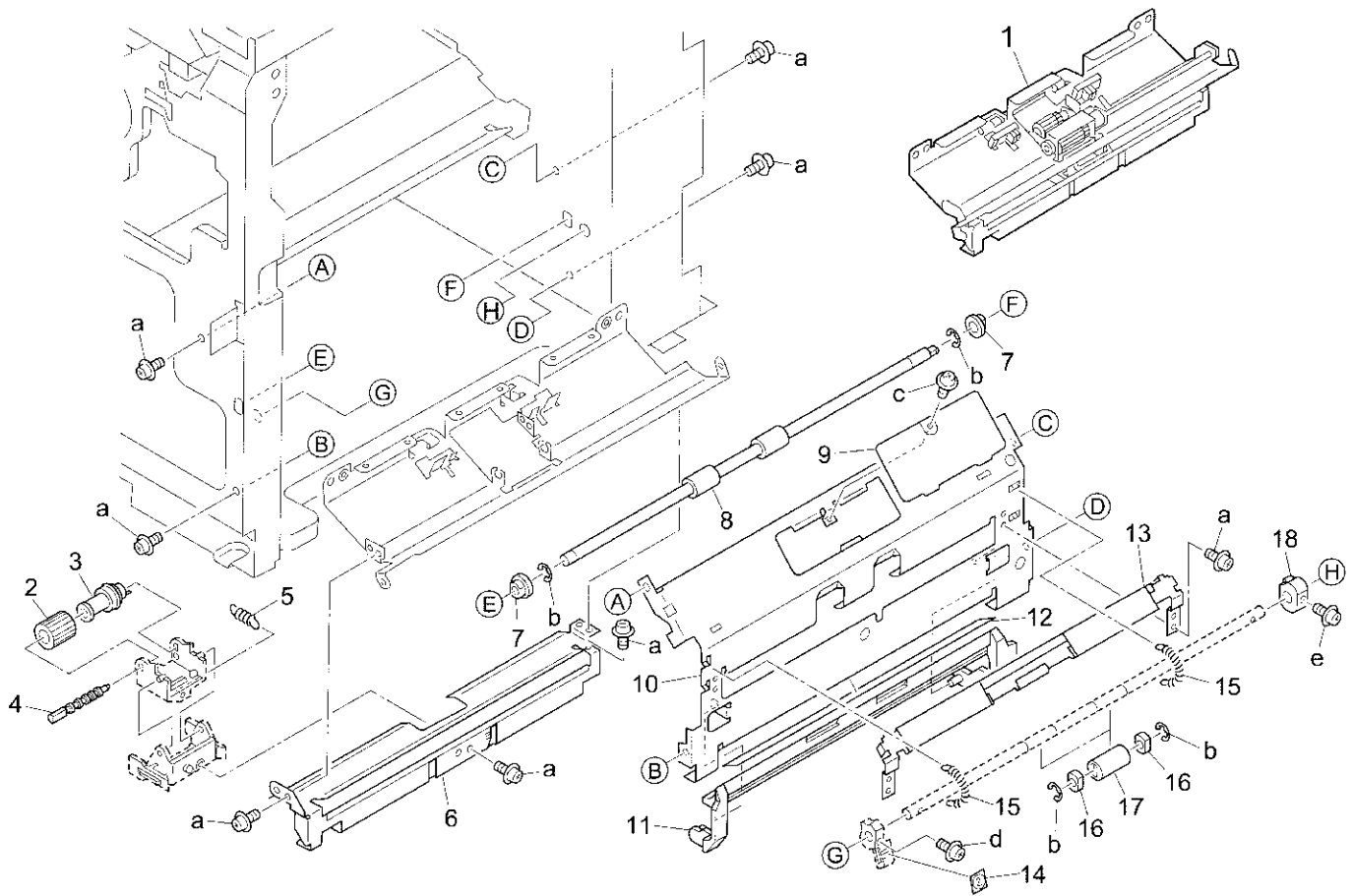
Paper feed unit (lower)



REF. NO.	PART NUMBER	DESCRIPTION
1	26PA90130	Paper feed wiring/lower
2	552085510	Photosensor
3	26NA40280	Paper detecting actuator
4	26NA40750	Paper detecting actuator/2
5	25AA85511	Photosensor
6	26NA40700	Shaft positioning part
7	540076010	Paper feed shaft holder
8	26NA-4190	Solenoid mount plate assembly
9	26NA40810	Paper feeding spring
10	26NA82510	Paper feed solenoid
11	26NA40830	Positioning arm
12	26NA40760	Lever hold spring
13	26NA40160	Driving coupling
14	26NA40090	Paper feeding rubber
15	26NA40080	Feeding roller
16	40AA40150	Shaft positioning part
17	40AA76040	Feeding shaft holder
18	26NA40510	Paper feed idler gear (Z=17)
19	26NA40110	Double feed preventive rubber/upper
20	26NA40100	Double feed preventive roller/upper

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z283061
d	00Z712106
e	00Z193061
f	00Z193101
g	00Z921942
h	00Z163051

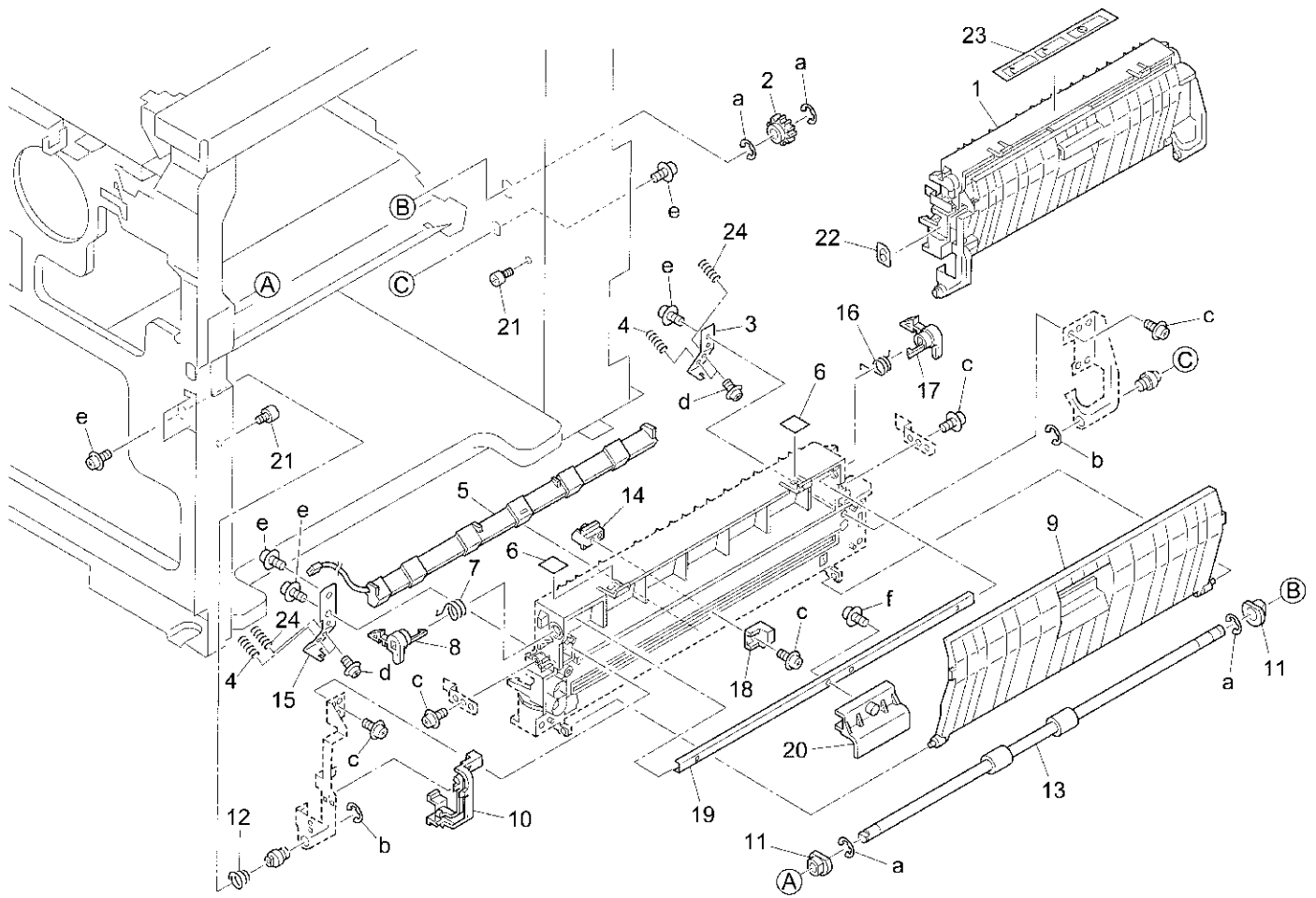
Paper feed unit (lower)



REF. NO.	PART NUMBER	DESCRIPTION
1	26PA-4010	Paper feed lower assembly
2	26NA40120	Double feed preventive rubber/lower
3	26NA40500	Double feed preventive roller
4	40AA40181	Lever click shaft
5	40AA40450	Double feed pressure spring
6	26PA40740	Paper feed guide plate/lower
7	26NA40820	Paper feed slide shaft holder
8	26NA40671	Paper feed connecting roller/2
9	26NA40200	Paper feed protect sheet/2
10	26NA40190	Paper feed plate/right
11	26NA40270	Side guide plate
12	26NA50352	Guide sheet
13	26NA-4160	Paper feed enter plate assembly
14	26NA97440	Lever indication label/2
15	26NA40720	Paper feed conveyance spring
16	26NA40890	Slide shaft holder
17	26NA40681	Paper feed driven roller/lower
18	26NA40880	Cam release part/rear

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z670606
c	00Z183061
d	00Z193141
e	00Z163121

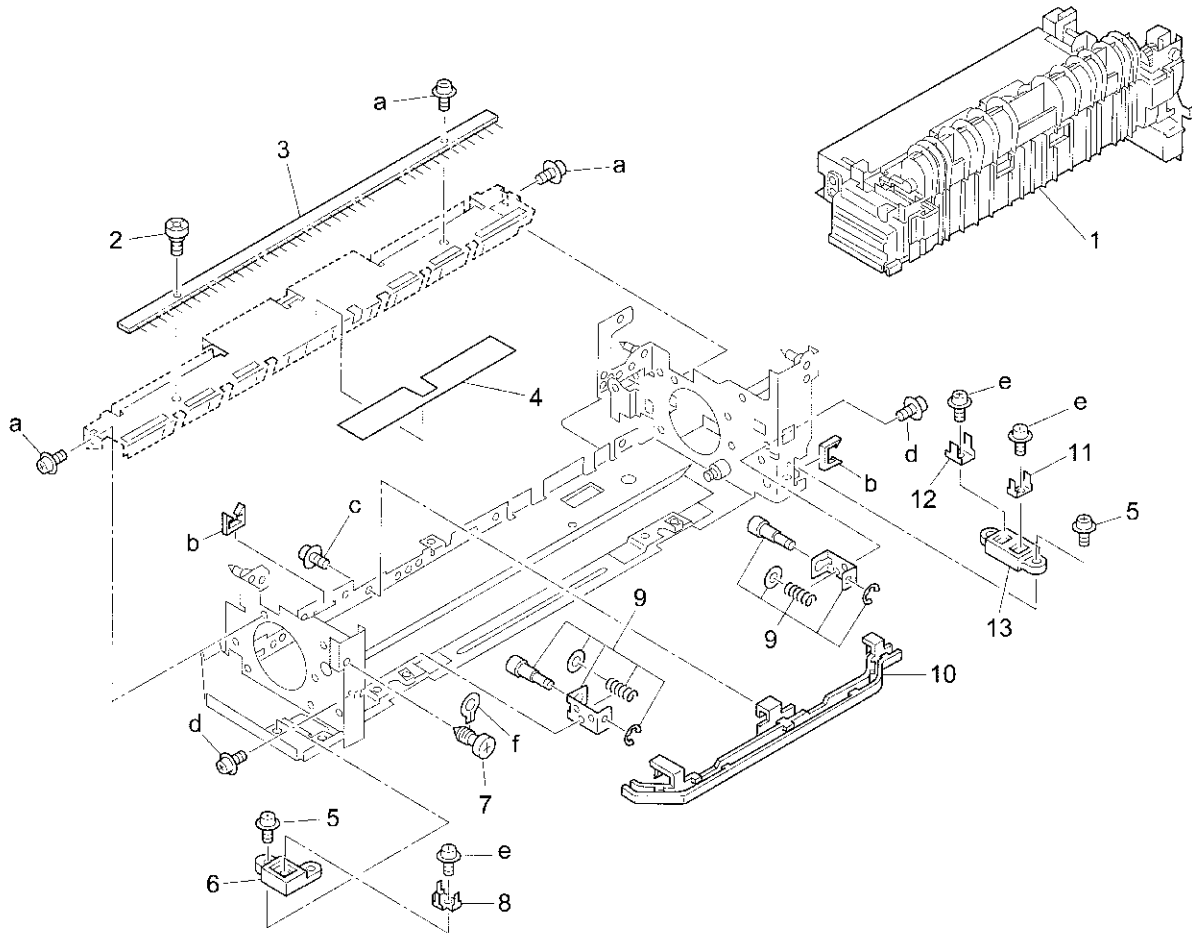
Conveyance unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4500	Conveyance unit
2	26NA16130	Clutch gear/1 (Z=27)
3	26NA45080	Lift-up plate
4	26NA45071	Lift-up spring
5	26NA-4581	PTL light shield assembly
6	26NA97380	Open-close label/lower
7	26NA45330	Lock spring/2
8	26NA45220	Open-close lever
9	26NA45340	Conveyance guide part
10	26NA45390	Cord cover
11	466076020	Paper feeding shaft holder
12	26NA45290	Ground spring
13	26NA45030	Conveyance roller
14	26NA45400	Guide part
15	26NA45090	Ground plate
16	26NA45320	Lock spring/1
17	26NA45310	Open-close lever/2
18	26NA45410	Electrode cleaning knob
19	26NA45210	Conveyance open-close shaft
20	26NA45350	Conveyance knob
21	26NA45430	Conveyance stopper
22	26NA97480	Lever indication label/6
23	26NA97491	Drum caution label
24	26NA45490	Lifting spring/2

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z253081
d	00Z113041
e	00Z193061
f	00Z243061

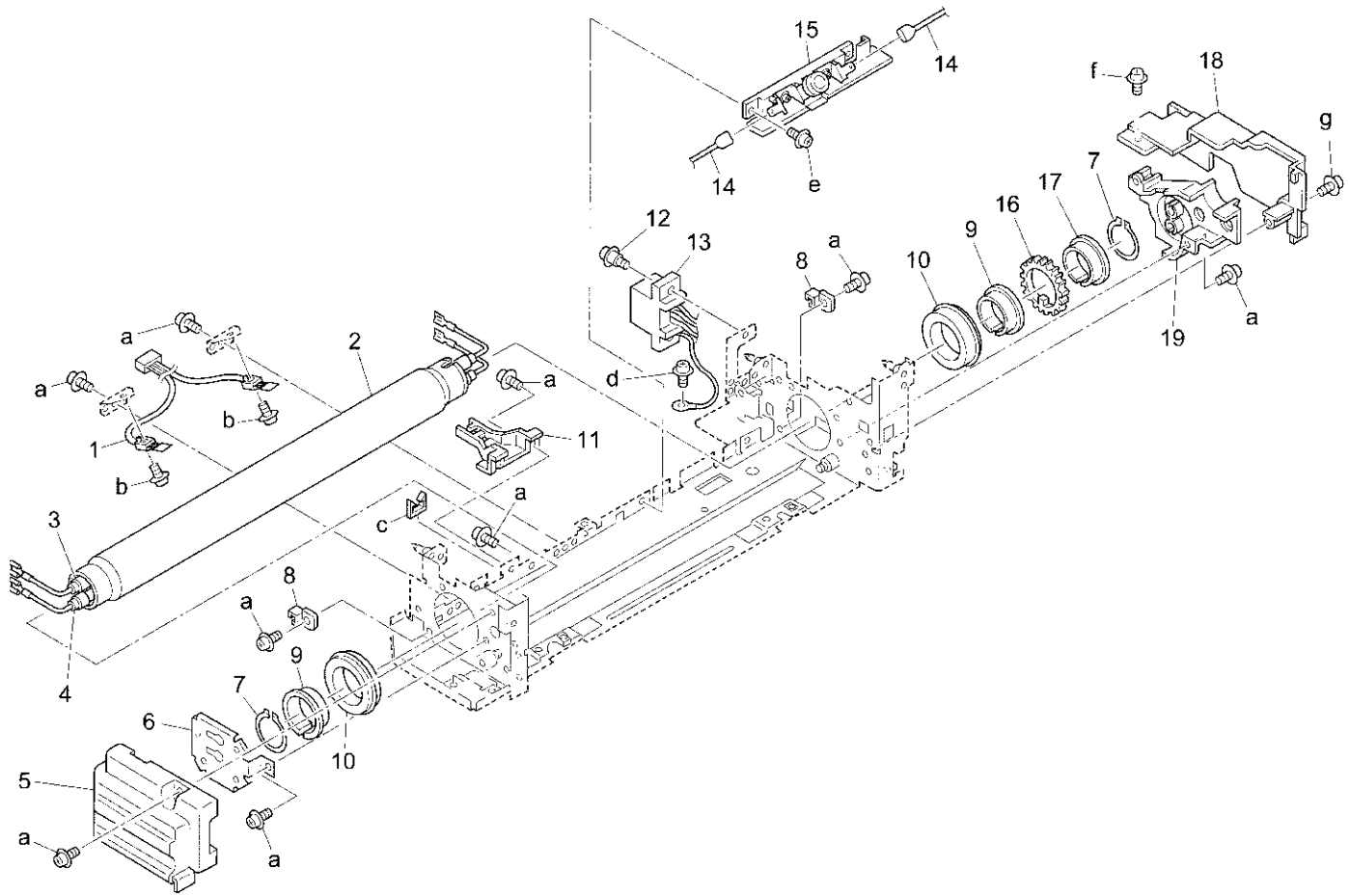
Fixing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TE-5300	Fixing unit
2	26NA54190	Fixing guide screw
3	26NA54140	Neutralizing brush
4	26NA53500	Fixing heat insulating sheet/D
5	26NA54230	Terminal fixing screw
6	26NA53780	Terminal plate/B
7	26NA53931	Fixed screw
8	26NA54280	Terminal plate
9	26TA-5460	Pressure spring assembly
10	26NA54051	Wiring guide part/B
11	40AA53470	Terminal plate/1
12	26NA53740	Terminal plate/A
13	26NA53770	Terminal plate/A

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z163061
b	00Z921330
c	00Z193041
d	00Z183031
e	00Z153061
f	00Z600406

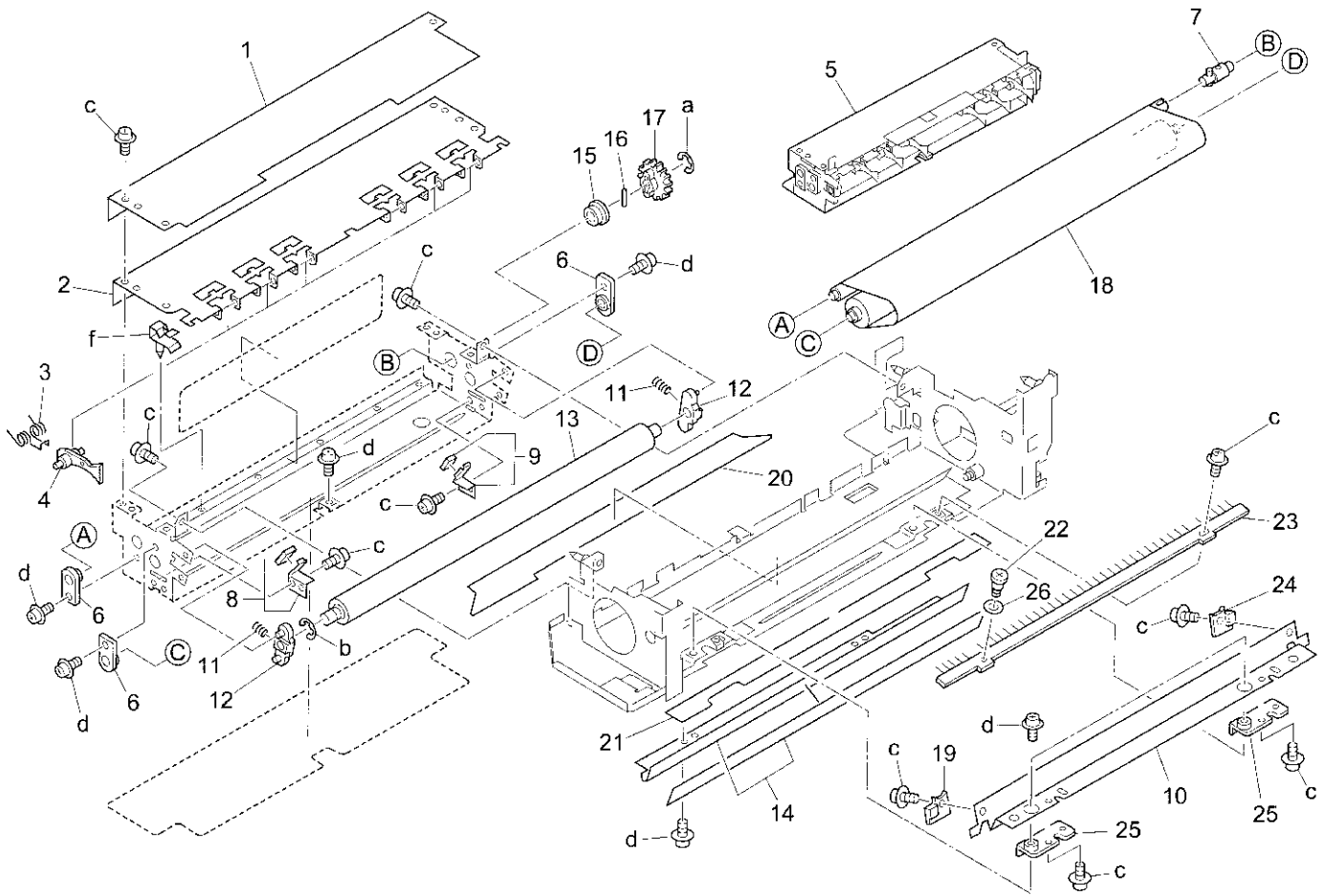
Fixing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA88011	Fixing sensor
2	26TA53030	Fixing roller/upper
3	26NE83020	Fixing heater/1
4	26NE83030	Fixing heater/2
5	26NA53401	Fixing cover/front
6	26NA53890	Lamp support part/front
7	26NA53620	Fixing fixed part
8	26NA53211	Wiring guide part/A
9	26NA53720	Heat insulating sleeve/A
10	26NA53710	Fixing shaft holder/upper
11	26TA54150	Wiring guide part/C
12	26NA54030	Mount screw
13	26TA90050	Fixing powering wiring
14	26TA90040	Fuse cord/1
15	SP00-0110	Fuse mount plate assembly
16	26TA54060	Fixing gear (Z=47)
17	26NA53730	Heat insulating sleeve/B
18	26NA53410	Fixing cover/rear
19	26TA53900	Lamp support part/rear

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193041
b	00Z163101
c	00Z921330
d	00Z164061
e	00Z163061
f	00Z193061
g	00Z193251

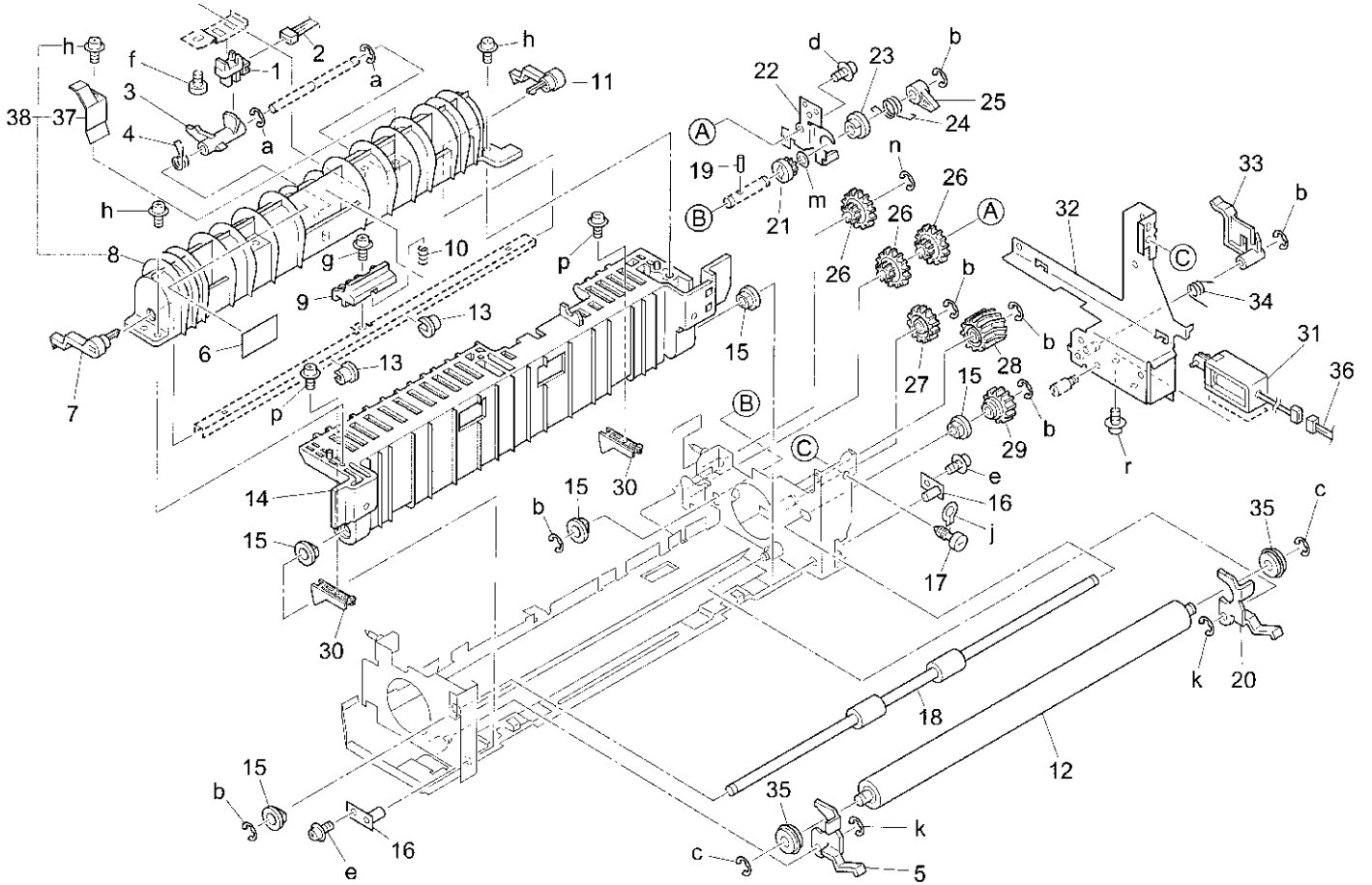
Fixing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA53560	Heat insulating sheet/E
2	26TA53270	Cleaner cover
3	26NA54160	Separate spring
4	26NA54270	Fixing claw
5	26TA-5400	Cleaner assembly
6	26NA53510	Fixing cleaner shaft holder/B
7	26NA-5430	Cleaner driving shaft assembly
8	26NA-5410	Regulating plate/front assembly
9	26NA-5420	Regulating plate/rear assembly
10	26NA53650	Fixing entrance plate
11	26NA53610	Cleaner pressure spring
12	26NA53490	Fixing cleaner shaft holder/A
13	26NA53830	Fixing cleaner roller
14	26TA-5480	Fixing entrance plate/2 assembly
15	26NA54300	Fixing cleaner shaft holder/A
16	113620600	Pin (A)
17	26TA53470	Cleaner gear/B (Z=48)
18	26NA53430	Web
19	26TA53680	Pressure part/A
20	26TA53250	Fixing heat insulate sheet/B
21	26NA53360	Fixing heat insulate sheet/C
22	26NA54190	Fixing guide screw
23	26NA54181	Neutralizing brush
24	26TA54010	Pressure part/B
25	26NA53790	Heat insulating part
26	26NA54320	Collar

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193041
d	00Z193061
f	00Z921930

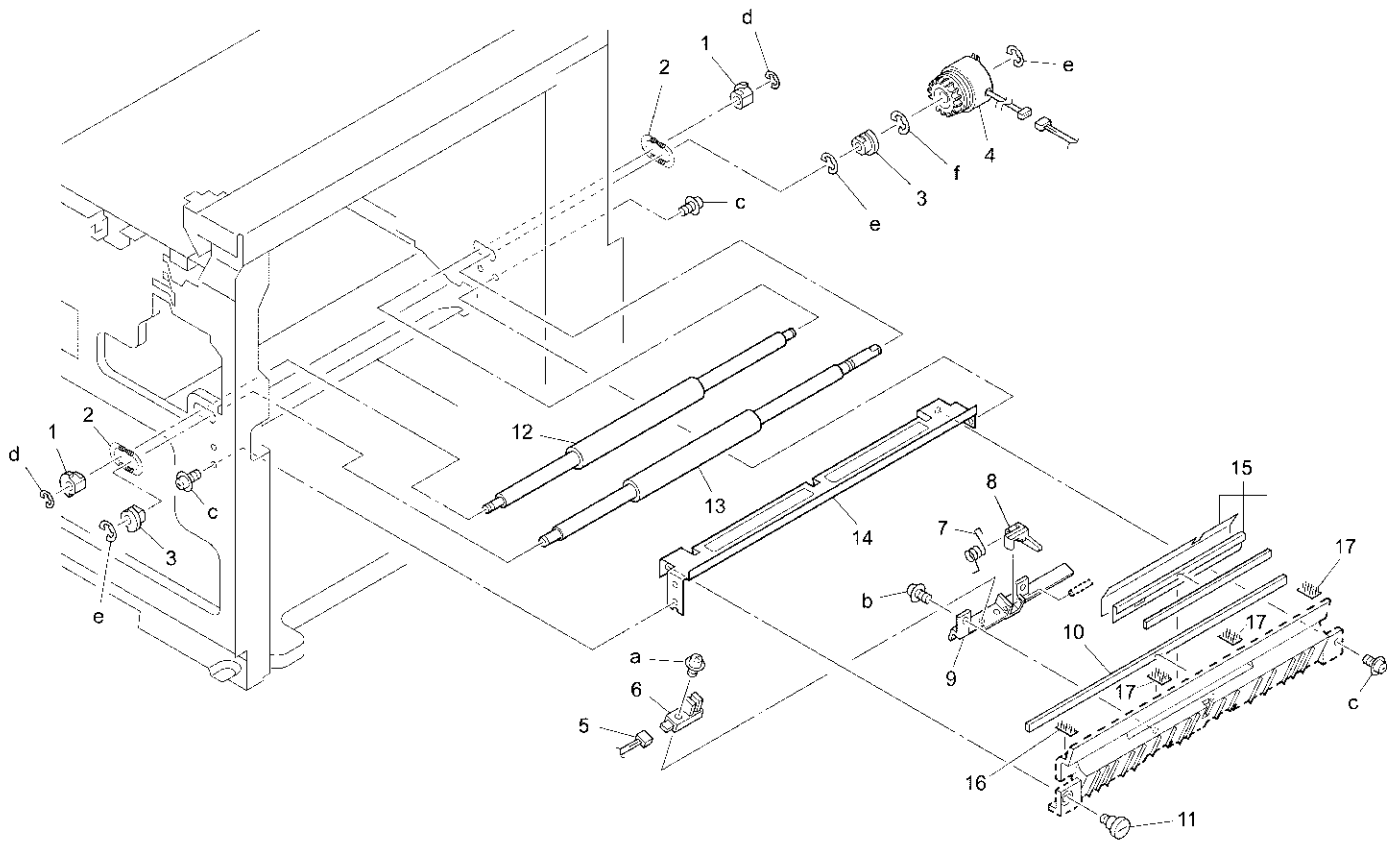
Fixing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	55VA85520	Photosensor
2	26TA90490	Fixing relay wiring/2
3	26TA53171	Fixing paper exit actuator
4	26NA53700	Pressure spring
5	26TA53070	Pressure arm/front
6	26NE97470	Lever indication label/5
7	26NA54070	Lock part/front
8	26NA53882	Fixing guide part/2
9	26NA54110	Open-close lever
10	26NA54120	Open-close spring
11	26NA54080	Lock part/rear
12	26TA53040	Fixing roller/lower
13	26NA54100	Lever shaft holder
14	26NA53020	Fixing guide part
15	192141710	Paper push up lever shaft holder
16	26NA-5440	Rotary shaft/A assembly
17	26NA53931	Fixed screw
18	26TA53130	Conveyance roller
19	466078010	Pin (A)
20	26TA53080	Pressure arm/rear
21	26NA53460	Cleaner gear/A
22	26TA-5470	Auxiliary part assembly
23	26NA53840	Fixing cleaner shaft holder/C
24	26NA53290	Lever spring
25	26TA54040	Fixing cleaner lever
26	26TA54290	Fixing driving gear/D (Z=16/38)
27	26NA53940	Fixing idler gear/B (Z=21)
28	26TA53440	Fixing idler gear/A (Z=23/23)
29	26TA53450	Conveyance drive gear (Z=20)
30	26NA54310	Paper guide part
31	26NA-4890	ADU Solenoid shaft assembly
32	26TA-5510	Fixing mount rail assembly
33	26NA53660	Solenoid actuator
34	26NA53670	Solenoid spring
35	26NA53590	Fixing shaft holder/lower
36	26NA90410	Web relay wiring
37	26NA-5281	Conveyance guide sheet /2 assembly
38	SE95-3660	Fixing guide part assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z670406
c	00Z670606
d	00Z163061
e	00Z193041
f	00Z253121
g	00Z193061
h	00Z253101
j	00Z600406
k	00Z670306
m	00Z610601
n	00Z670506
p	00Z253081
r	00Z163081

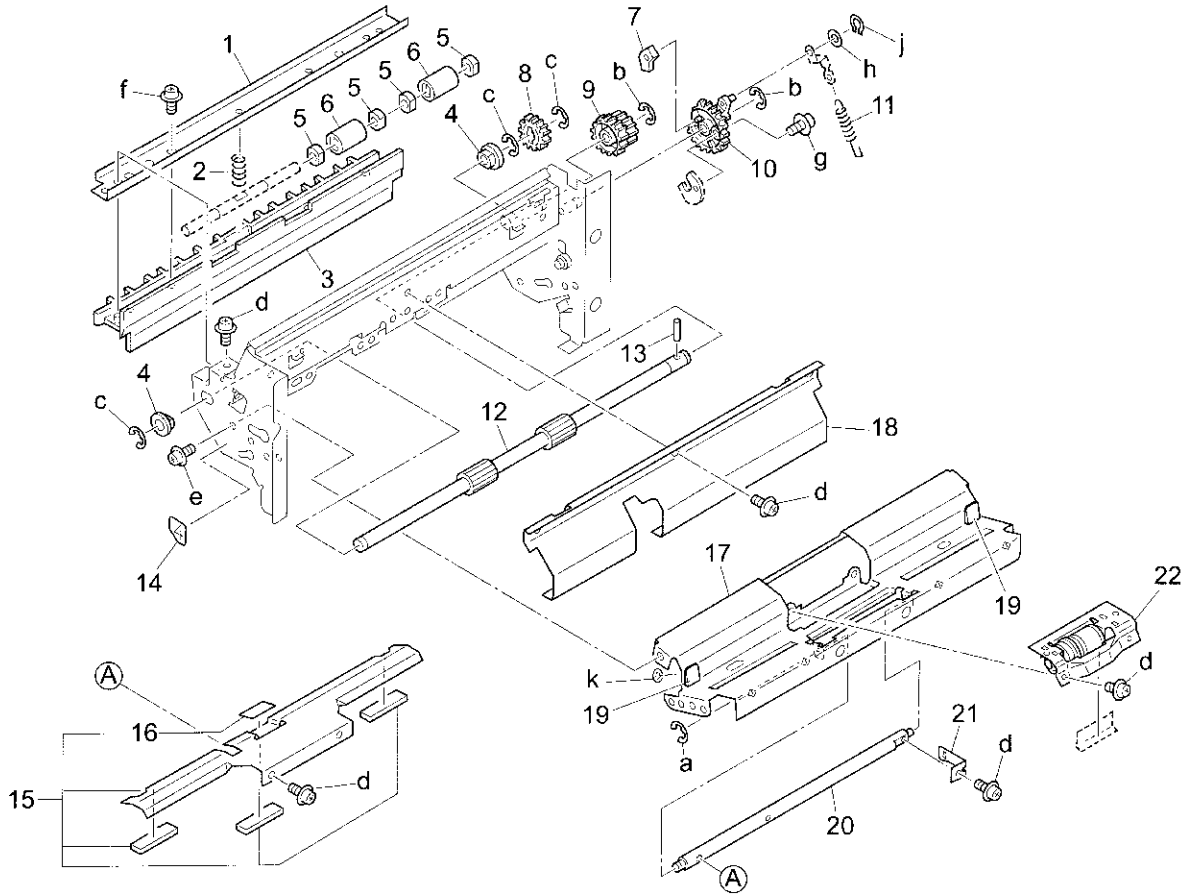
Resist unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA45371	Resist shaft holder/2
2	26NA45140	Resist spring
3	26NA45360	Resist shaft holder/1
4	26NA82010	Resist clutch
5	26NA90440	Resist relay wiring
6	552085510	Photosensor
7	26NA45170	Pressure spring
8	26NA45160	Resist actuator
9	26NA45150	Support part
10	26NA45450	Dust proof seal
11	26NA45440	Resist fixed screw
12	26NA45130	Resist roller/B
13	26NA45120	Resist roller/A
14	26NA-4520	Conveyance support plate assembly
15	26NA-4540	Resist cleaner assembly
16	26TA31170	Suction seal/4
17	26TA31180	Suction seal/5

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253141
b	00Z253081
c	00Z193061
d	00Z670406
e	00Z670506
f	00Z670606

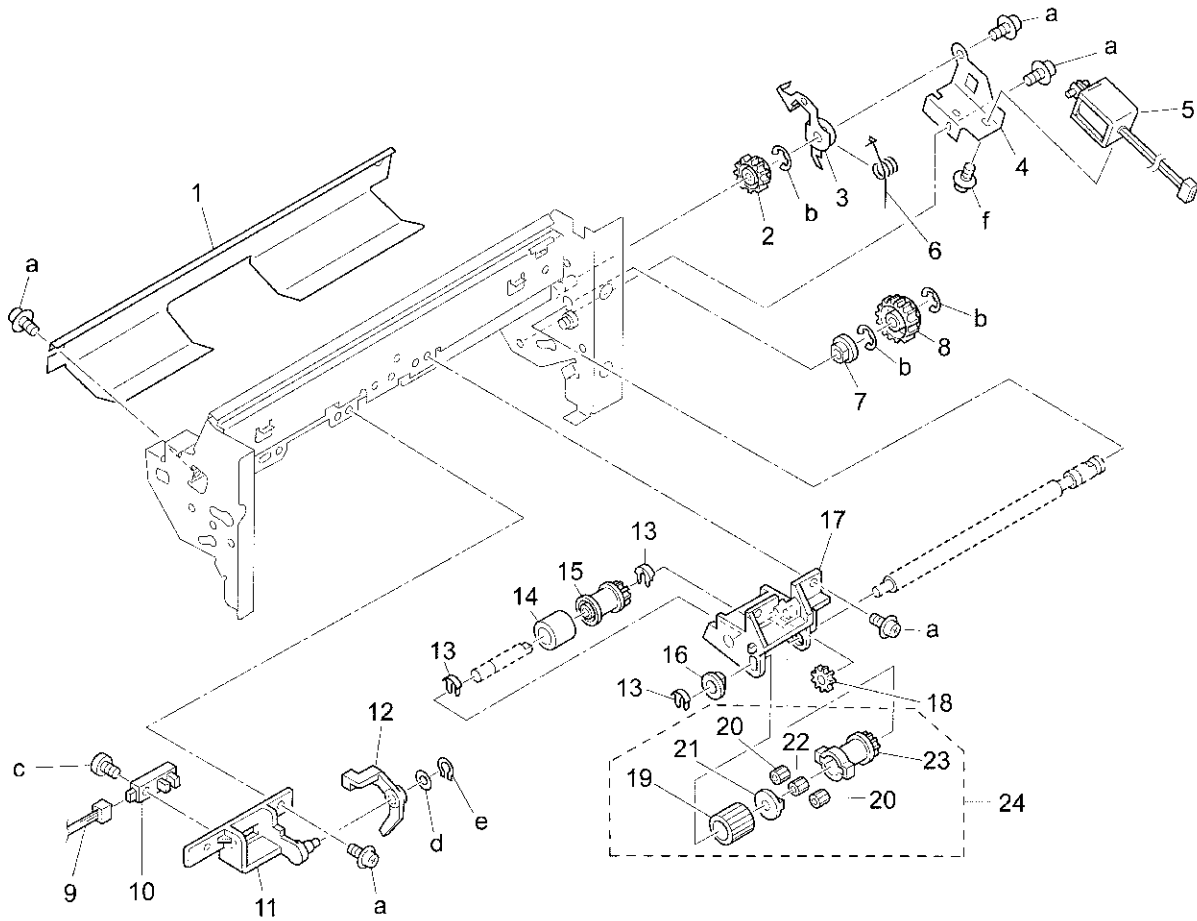
Manual feed unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA42420	Manual feed auxiliary plate
2	26NA42241	Manual feed conveyance spring
3	26NA42010	Manual feed guide part
4	090075530	Bearing
5	25AA75530	Slide shaft holder
6	26NA40240	Paper feed driven roller
7	40AA42310	Manual feed pressure rubber
8	26NA42061	Manual feed conveyance gear (Z=21)
9	26NA42050	Manual feed idler gear/upper (28/30)
10	26NA42070	Cam pressure gear (Z=25)
11	26NA42220	Manual feed pressure spring
12	26NA42021	Manual feed conveyance roller
13	304078040	Pin (B)
14	26NA97460	Lever indication label/4
15	26NA-4221	Manual feed lift-up plate assembly
16	540042350	Double feed preventive plate
17	26NA42251	Manual feed guide plate
18	26NA-4311	Manual feed cover assembly
19	26NA42570	Manual feed guide spacer
20	26NA42200	Manual feed lift-up shaft
21	26NA42410	Manual feed lift-up lever
22	26NA-4241	Manual feed paper guide assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z193061
e	00Z183063
f	00Z253081
g	00Z183041
h	00Z610301
j	00Z680306
k	00Z660306

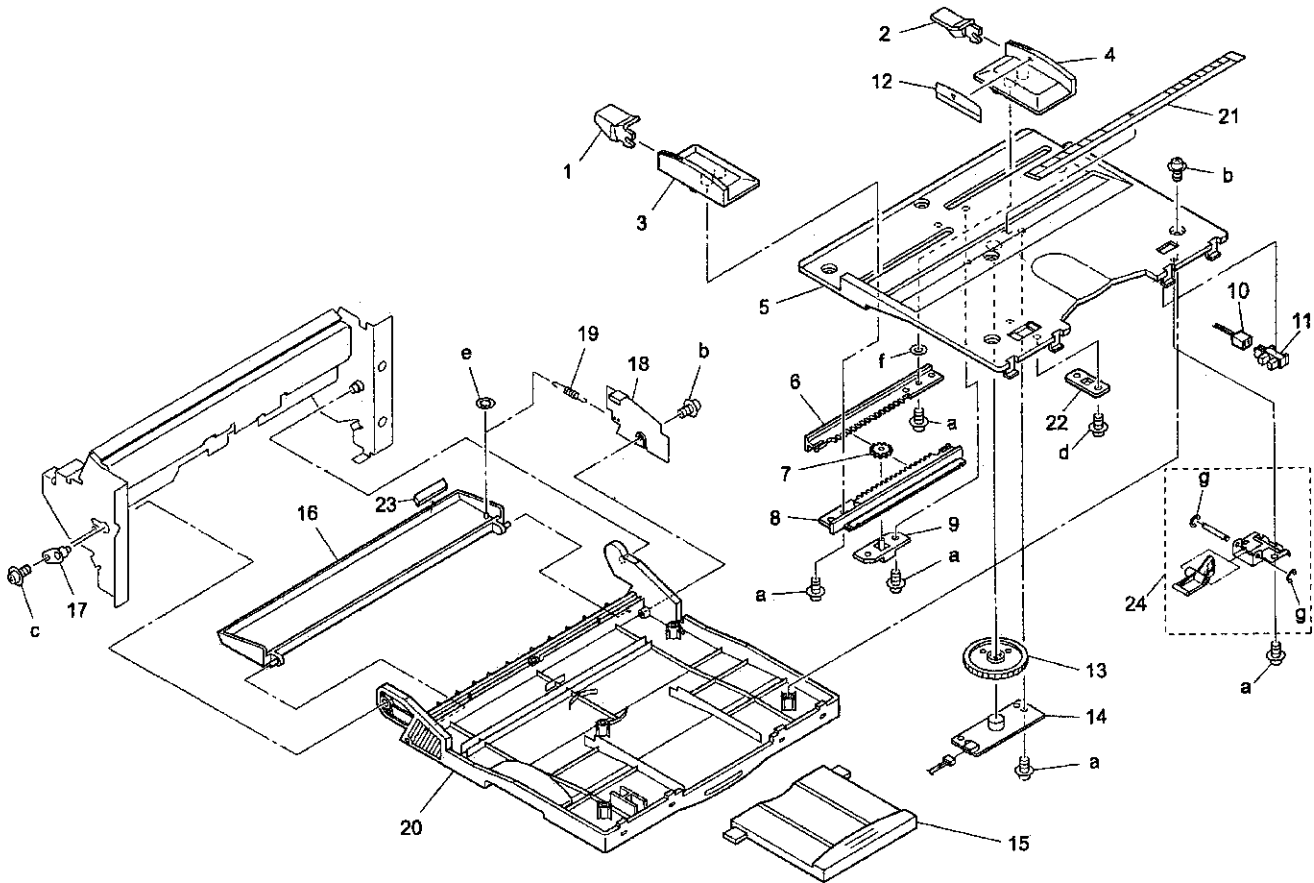
Manual feed unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA42480	Bypass feed guide plate/upper
2	26NA42040	Manual feed idler gear/lower (Z==22)
3	26NA42030	Manual feed driving cam
4	26NA42270	Solenoid mount plate
5	26NA-5090	Manual feed solenoid assembly
6	26NA42210	Cam spring
7	466076020	Paper feeding shaft holder
8	40AA42270	Manual feed clutch
9	26NA90140	Manual feed wiring
10	552085510	Photosensor
11	26NA42350	Support part
12	26NA42280	Manual feed detecting part
13	40AA40150	Shaft positioning part
14	540040562	Paper supply rubber
15	40AA42100	Manual feed conveyance roller
16	540076010	Paper feed shaft holder
17	26NA42081	Manual feed part
18	26NA42580	Gear (D) (Z=16)
19	25BA40320	Paper feeding rubber
20	26NA42630	Clutch lock gear (Z=10)
21	26NA42590	Cover
22	26NA42610	Clutch standard gear
23	26NA42600	Manual feed roller
24	26NA-4280	Manual feed pick up assembly/2

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z670406
c	00Z253141
d	00Z610401
e	00Z660406
f	00Z193041

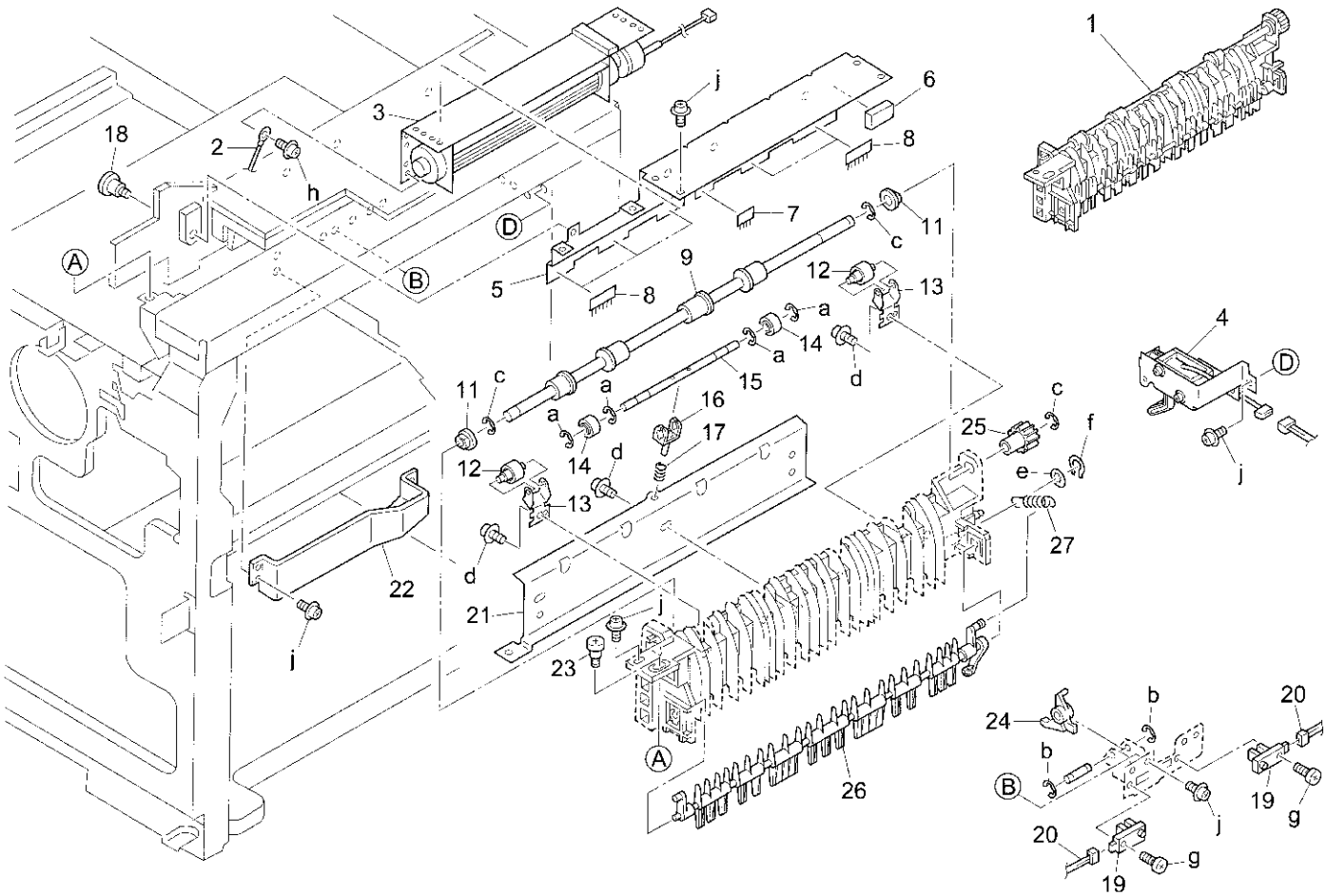
Manual feed unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA42330	Paper guide plate/front
2	26NA42340	Paper guide plate/rear
3	26NA42391	Paper regulating part/front
4	26NA42401	Paper regulating part/rear
5	26NA42171	Manual feed tray/upper
6	396040611	Rack
7	466077130	Pinion
8	26NA42440	Rack/A
9	540042120	Slide holder/1
10	26NA90451	Bypass feed detecting wiring
11	08AA85510	Photosensor/2
12	26NA97350	Manual feed label/2
13	26NA42450	Pinion/A (Z=124)
14	13QA-9010	Size detecting board assembly
15	26NA42320	Manual feed auxiliary tray
16	26NA42300	Manual feed cover
17	26NA-4291	Manual feed fulcrum plate assembly
18	26NA42490	Wiring plate
19	26NA42380	Manual feed open-close spring/rear
20	26NA42181	Manual feed tray/lower
21	26NA97270	Manual feed label/1
22	26NA42550	Magnet pressure plate
23	26NA42620	Manual feed sticking part/3
24	26NA-4330	Paper detecting actuator assembly

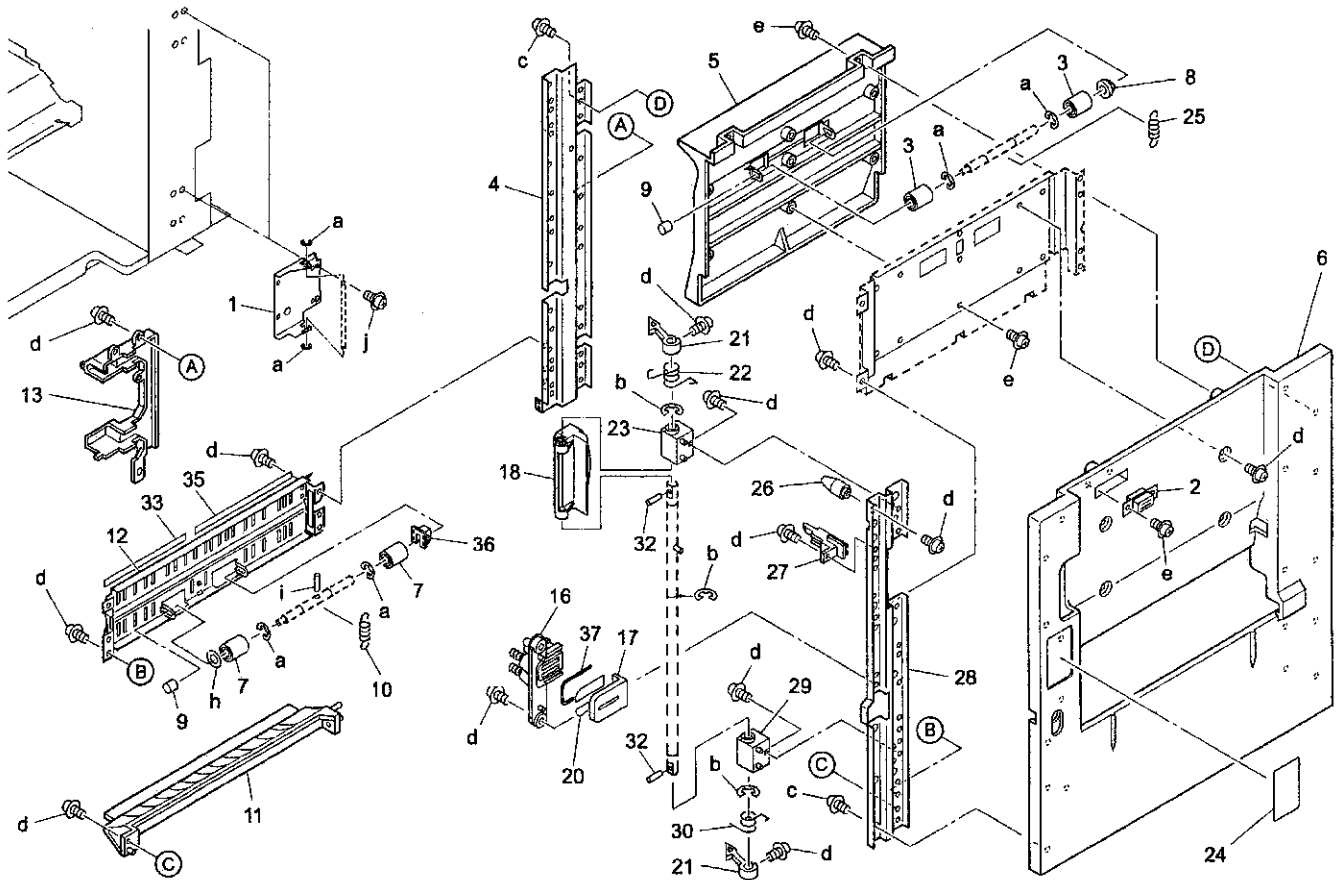
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z253082
c	00Z193061
d	00Z253181
e	00Z660306
f	00Z610301
g	00Z670206

Paper exit unit



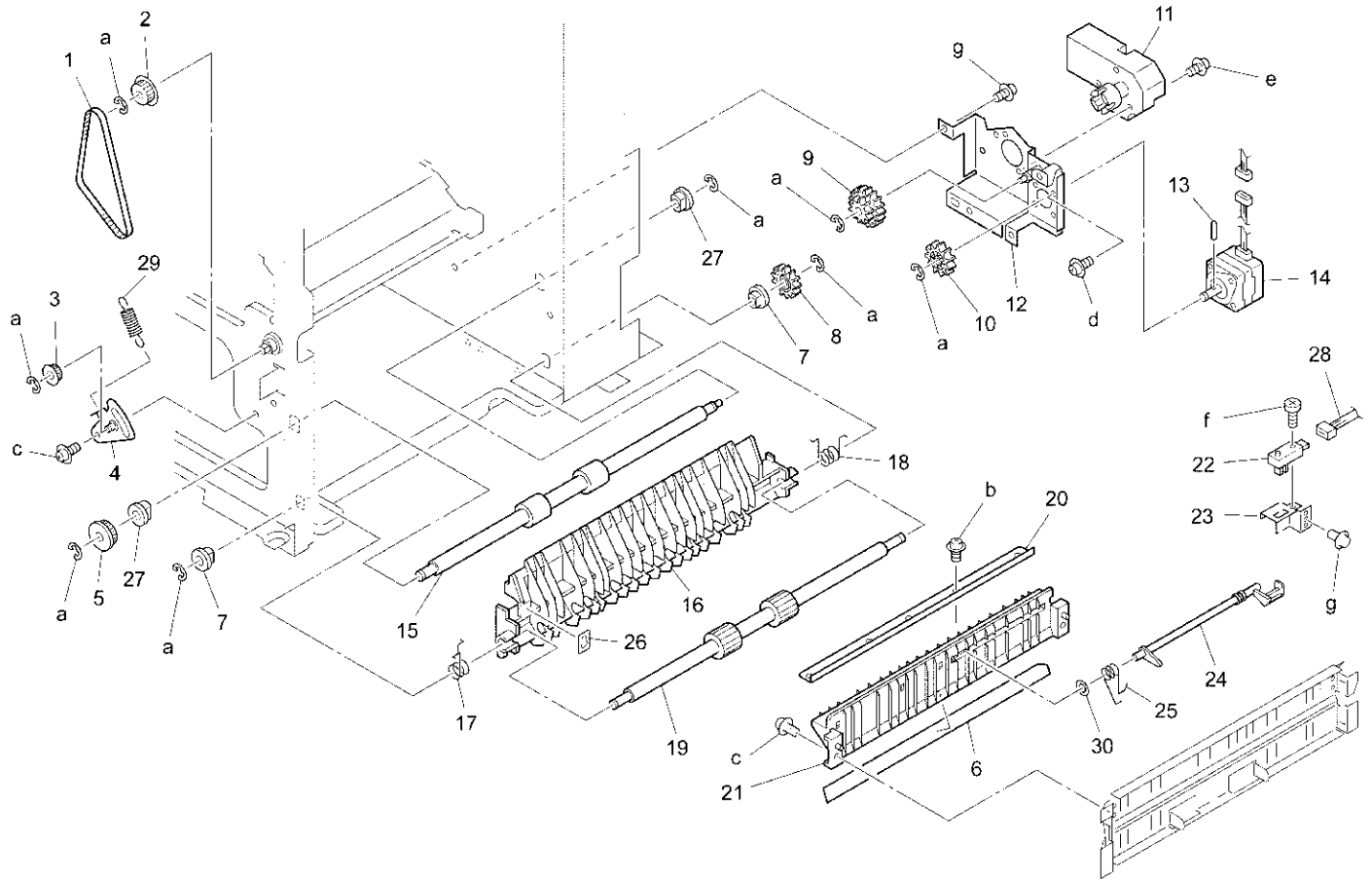
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4801	Paper exit unit
2	26NA90470	Paper exit ground wiring
3	26TA-7390	Fan motor assembly
4	26NA-4870	ADU change solenoid assembly
5	26NA48190	Neutralizing plate
6	26NA12490	Cushion/C
7	26NA48220	Neutralizing brush/B
8	26NA48210	Neutralizing brush/A
9	26NA48020	Paper exit roller
10	*	Not used
11	508053460	Paper exit slide shaft holder
12	26NA48120	Paper exit driven roller
13	26NA48130	Paper exit driven spring
14	26NA48070	Paper exit driven roller
15	26NA48081	Paper exit driven shaft
16	26NA48140	Paper exit driven part
17	26NA48100	Paper exit spring
18	26NA12430	External fixed screw
19	552085510	Photosensor
20	26NA90170	Paper exit detecting wiring
21	26NA48010	Paper exit stay
22	26NA48260	Cover
23	26NA45440	Resist fixed screw
24	26NA48240	Paper exit actuator/2
25	26NA15740	Paper exit gear (Z=26)
26	26NA48250	Paper exit guide part
27	26NA48110	Tension spring

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z670306
c	00Z670406
d	00Z253081
e	00Z610301
f	00Z660306
g	00Z193101
h	00Z183061
j	00Z193061



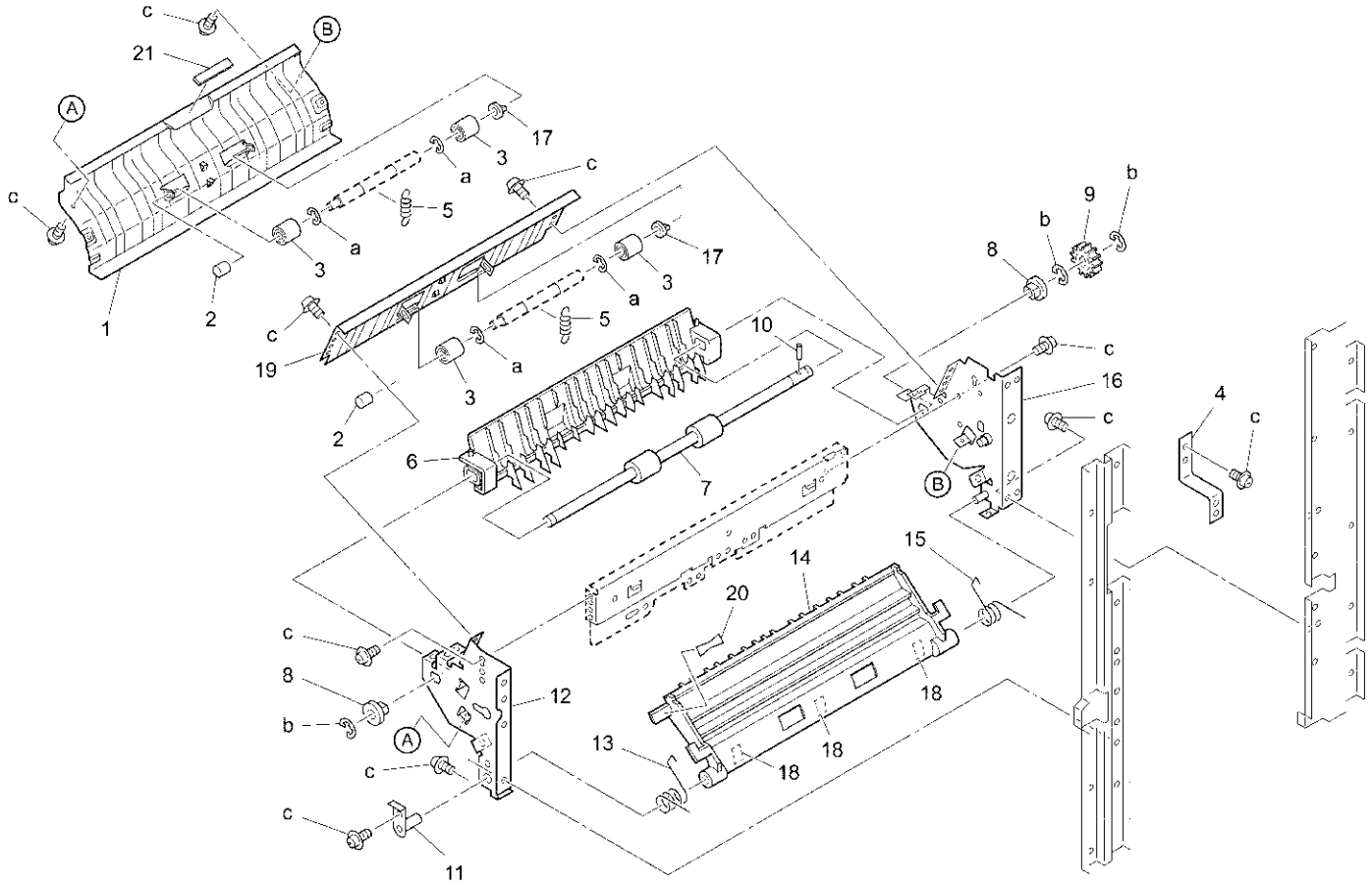
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA50210	Hinge plate/B
2	059010620	Magnet catch
3	26NA51070	Pressure roller/upper
4	26TA-5080	ADU reinforcing stay/rear assembly
5	26NA50792	ADU guide plate/upper
6	26NA50010	ADU cover
7	26NA50290	Pressure roller
8	26NA51060	Driven shaft holder
9	552012250	Roller/B
10	26NA50900	Reversing spring
11	26NA50230	Conveyance guide part/lower
12	26NA50811	Conveyance guide plate/lower
13	26NA50660	Wiring cover
14	*	Not used
15	*	Not used
16	26NA-5024	High voltage casing/B assembly
17	26NA50522	High voltage casing/A
18	26NA51110	Open-close knob
19	*	Not used
20	26NA50971	Insulating sheet
21	26NA50963	ADU lock claw
22	26NA50330	Conveyance lock spring
23	26NA50630	Shaft holder part/upper
24	26NA97410	ADU open close label
25	26NA50890	Conveyance pressure spring
26	26NA50721	ADU positioning pin/front
27	26NA50870	ADU open-close actuator
28	26NA50840	ADU reinforce stay/front
29	26NA50640	Shaft holder part/lower
30	26NA50760	Conveyance lock spring/lower
31	*	Not used
32	466078010	Pin (A)
33	26NA50991	Conveyance sheet
34	*	Not used
35	26NA51020	Conveyance sheet/front
36	26NA51090	Drive shaft holder/lower
37	26NA51720	Insulating sheet/2

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z254081
d	00Z193061
e	00Z253081
f	00Z163101
g	00Z283061
h	00Z610401
i	00Z711146
j	00Z283061



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA50450	Driving belt (L=300)
2	26NA50430	Conveyance pulley/B (Z=28)
3	26NA50370	Idler pulley (Z=18)
4	26NA-5140	Tension plate assembly
5	26NA50420	Conveyance pulley/A (Z=28)
6	26NA50340	Reversal sheet
7	508053460	Paper exit slide shaft holder
8	26TA50150	Reversal gear (Z=26)
9	26TA50170	ADU idler gear (Z=26/31)
10	26TA50160	Motor gear (Z=31)
11	26NA80041	Cassette driving motor
12	26NA-5110	Motor mount plate assembly
13	113620600	Pin (A)
14	26NA80090	ADU driving motor
15	26NA50240	ADU guide roller
16	26NA50031	Guide part/lower
17	26NA50710	Lift-up spring/front
18	26NA50400	Lift-up spring
19	26NA50110	Reversal roller
20	26NA50680	Conveyance reinforcing plate
21	26NA50021	Guide part/middle
22	552085510	Photosensor
23	26NA50190	Mount plate
24	26NA50071	Reversal actuator
25	26NA50360	Conveyance guide spring
26	26NA97450	Lever indication label/3
27	466076020	Paper feeding shaft holder
28	26NA90330	Wiring/3
29	26NA51030	Tension spring
30	26NA50920	Reversal spacer

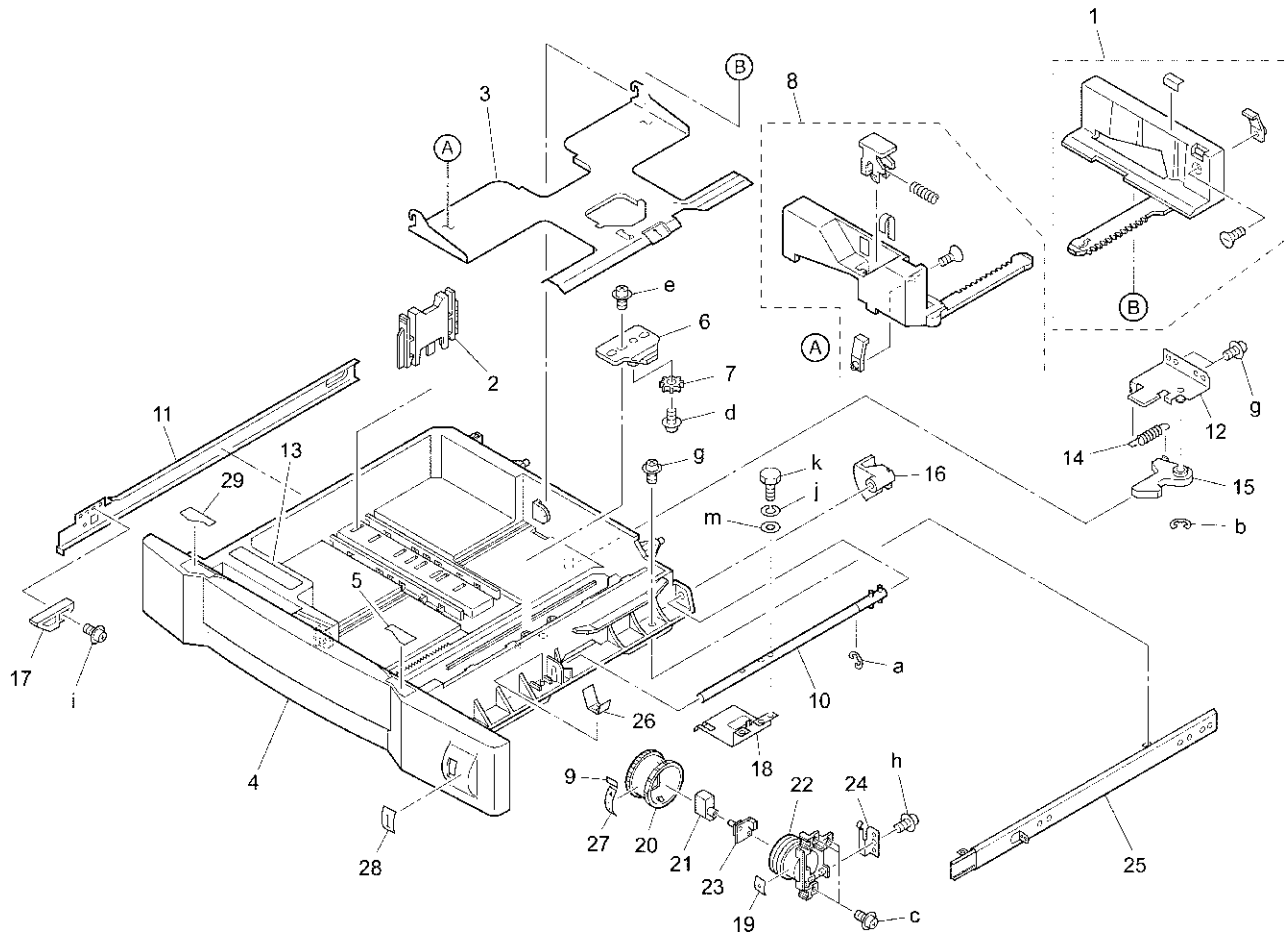
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z253081
c	00Z193061
d	00Z163061
e	00Z193201
f	00Z193101
g	00Z283061



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA50800	Conveyance guide plate/middle
2	552012250	Roller/B
3	26NA50290	Pressure roller
4	26NA50780	ADU open-close belt
5	26NA50890	Conveyance pressure spring
6	26NA50671	Paper guide part/upper
7	26NA42021	Manual feed conveyance roller
8	26NA40820	Bearing
9	26NA42061	Manual feed conveyance gear (Z=21)
10	304078040	Pin (B)
11	26NA-5160	Fulcrum plate assembly
12	26NA50570	ADU conveyance panel/front
13	26NA50540	Open-close spring/front
14	26NA50061	Paper guide part/lower
15	26NA50550	Open-close spring/rear
16	26NA-5151	ADU conveyance panel assembly
17	26NA51060	Driven shaft holder
18	26NA50910	Slide sheet
19	26NA50880	Conveyance guide plate/upper
20	26NA97370	Open-close label/upper
21	26NA42540	Manual feed sticking part/2

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670606
c	00Z193061

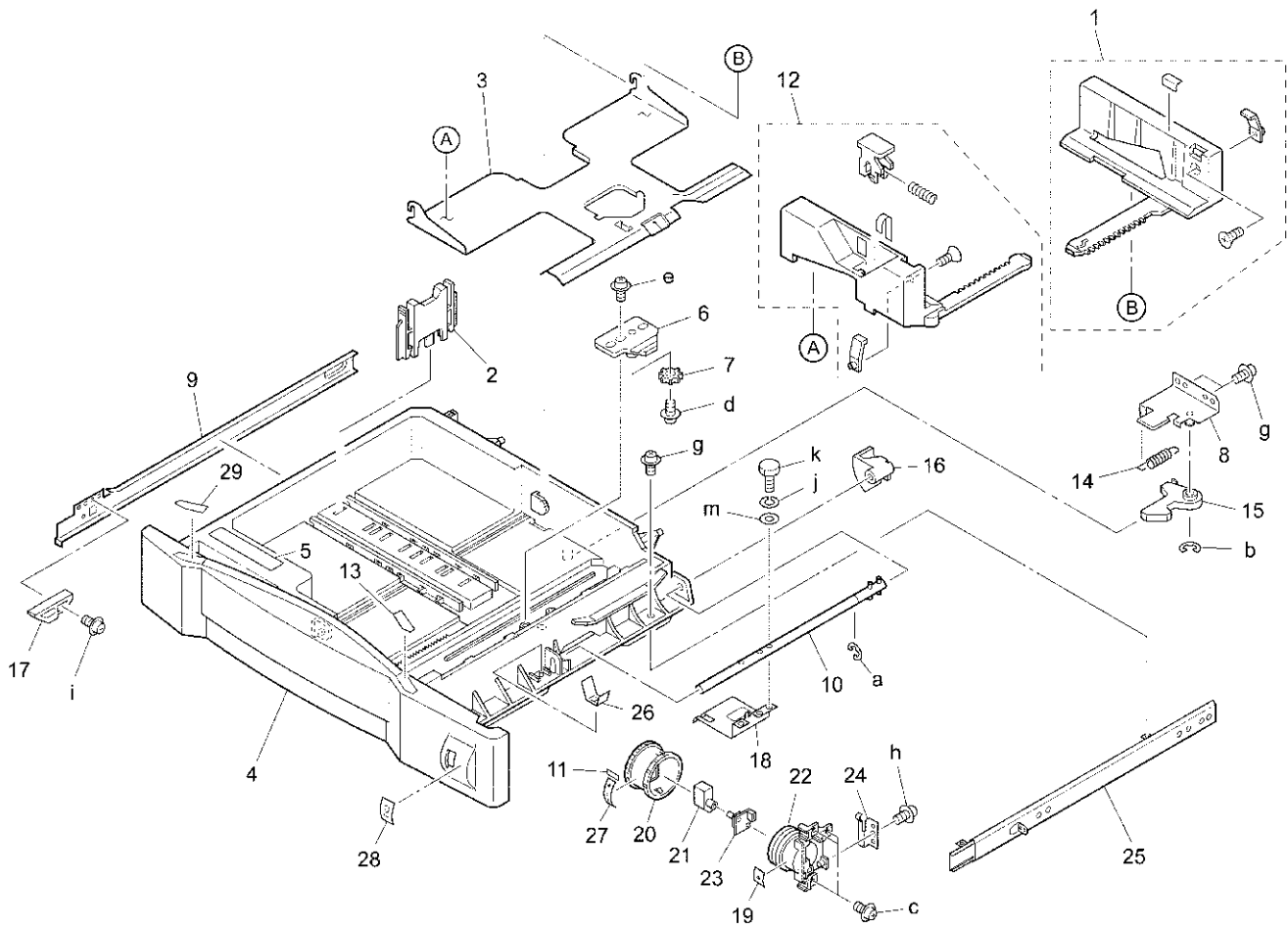
Upper cassette



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4730	Side regulating/rear assembly
2	26NA47040	Paper regulating plate/left
3	26NA-4740	Lift-up bottom plate assembly
4	26NA47013	Cassette base/upper
5	26NA47320	Cassette cover plate/2
6	40AA47130	Adjusting plate
7	40AA77290	Pinion (Z=16)
8	26NA-4721	Side regulating/front assembly
9	26NA47381	Fixing seal
10	26NA-4760	Lift-up shaft assembly
11	26NA10070	Cassette rail/left
12	26NA-4780	Cassette lock assembly
13	26NA97310	Paper supply label
14	26NA47390	Cassette fixed spring
15	25BA47461	Cassette positioning catch/U
16	26NA47291	Cassette remained detecting actuator
17	26NA47350	Cassette stopper
18	26NA47060	Paper lift-up plate
19	26NA97300	Cassette click label
20	26NA47260	Paper feed indication plate/fr
21	26NA47240	Cassette detecting connector
22	26NA47250	Cassette detecting base
23	26NA-9200	Size detecting board assembly
24	26NA47280	Spring lock plate
25	26NA10061	Cassette rail/right
26	26NA47300	Ground plate
27	26NE97280	Cassette indication label/upper
28	26NA97390	Cassette indication label/1
29	26NA47310	Cassette cover plate/1

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z193061
d	00Z254081
e	00Z254121
g	00Z283061
h	00Z253081
i	00Z183061
j	00Z620301
k	00Z463103
m	00Z610301

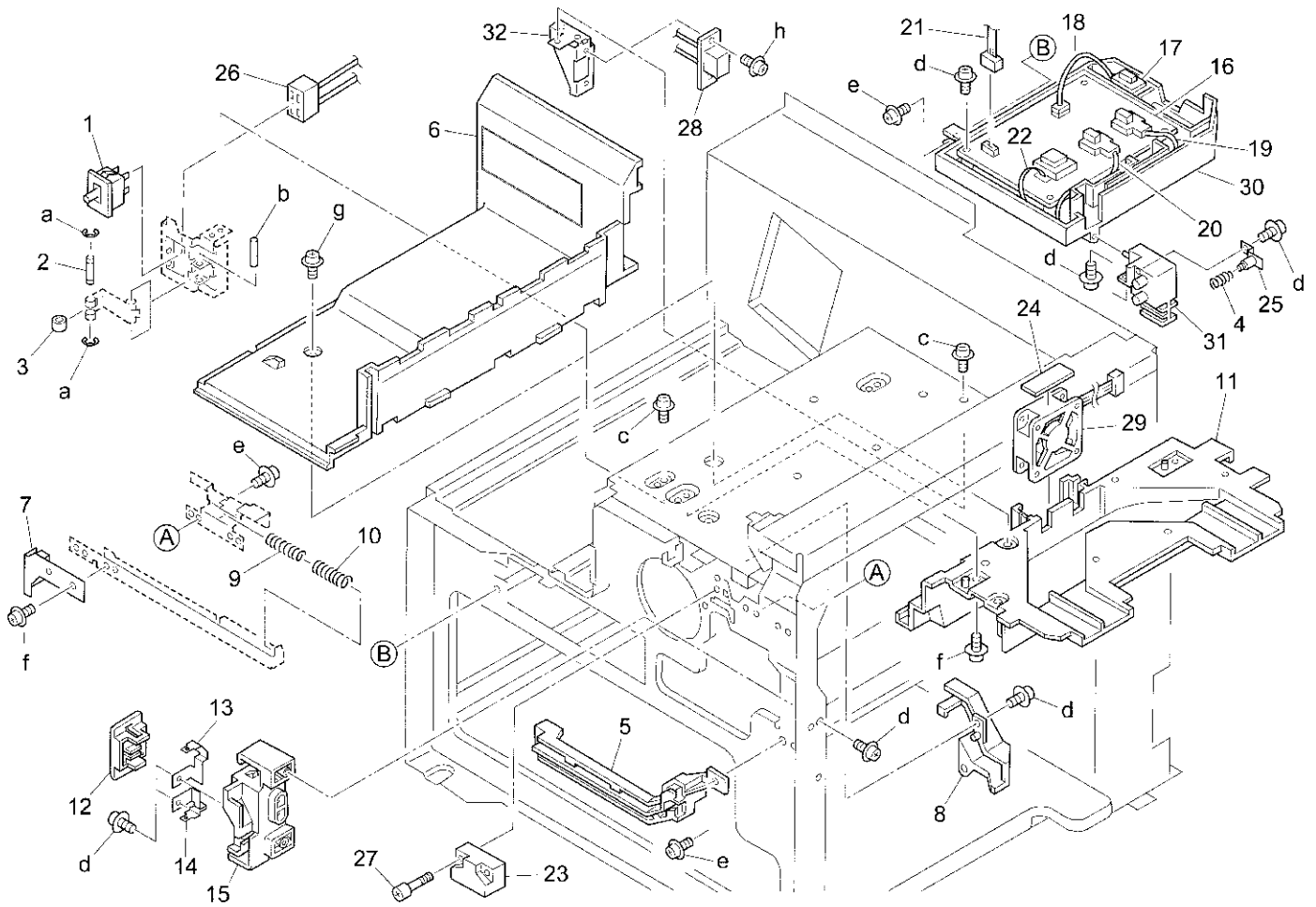
Lower cassette



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4730	Side regulating/rear assembly
2	26NA47040	Paper regulating plate/left
3	26NA-4740	Lift-up bottom plate assembly
4	26NA47023	Cassette base/lower
5	26NA97310	Paper supply label
6	40AA47130	Adjusting plate
7	40AA77290	Pinion (Z=16)
8	26NA-4780	Cassette lock assembly
9	26NA10070	Cassette rail/left
10	26NA-4760	Lift-up shaft assembly
11	26NA47381	Fixing seal
12	26NA-4721	Side regulating/front assembly
13	26NA47340	Cassette cover plate/4
14	26NA47390	Cassette fixed spring
15	25BA47461	Cassette positioning catch/U
16	26NA47291	Cassette remained detecting actuator
17	26NA47350	Cassette stopper
18	26NA47060	Paper lift-up plate
19	26NA97300	Cassette click label
20	26NA47260	Paper feed indication plate/fr
21	26NA47240	Cassette detecting connector
22	26NA47250	Cassette detecting base
23	26NA-9200	Size detecting board assembly
24	26NA47280	Spring lock plate
25	26NA10061	Cassette rail/right
26	26NA47300	Ground plate
27	26NE97290	Cassette indication label/lower
28	26NA97400	Cassette indication label/2
29	26NA47330	Cassette cover plate/3

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z193061
d	00Z254081
e	00Z254121
g	00Z283061
h	00Z253081
i	00Z183061
j	00Z620301
k	00Z463103
m	00Z610301

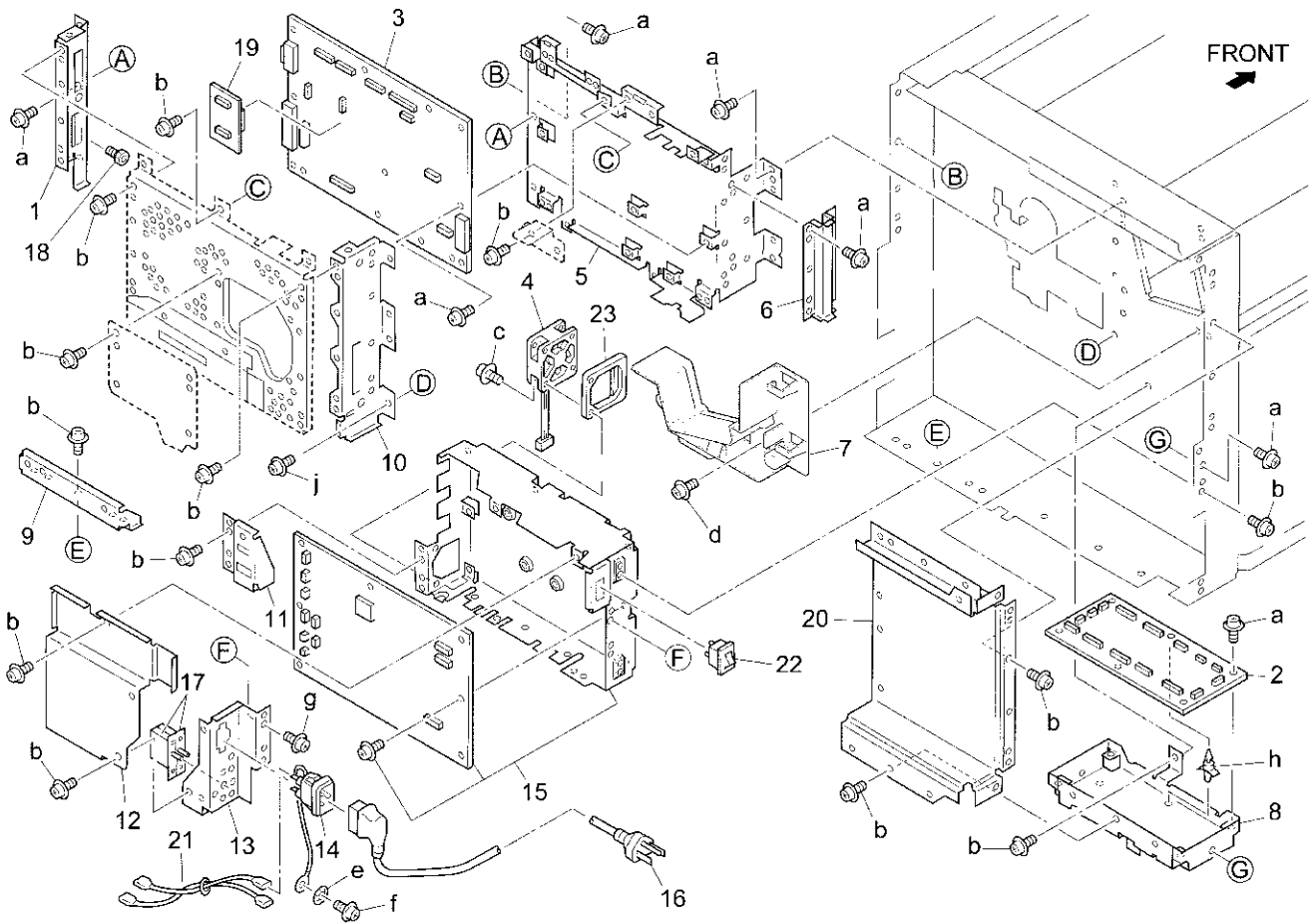
Electric parts



REF. NO.	PART NUMBER	DESCRIPTION
1	40AA85010	Door switch
2	25HA73200	Switch guide shaft
3	25HA73210	Switch guide roller
4	26NA73251	Electrode connecting spring/A
5	26NA73200	Wiring support part
6	26NA73331	Fan cover
7	26NA73070	Switch pressure plate
8	26NA73061	Cord cover
9	25HA73131	Switch spring/B
10	25HA73121	Switch spring/A
11	26NA73210	Fan casing/A
12	26NA73500	High voltage cover plate/A
13	26NA73131	Connecting plate/A
14	26NA73471	Connecting plate/C
15	26NA73151	Contact support plate
16	26NA84011	High voltage power source
17	26NA88030	Sensor
18	26NA90320	Relay wiring/2
19	26NA90360	High voltage wiring/1
20	26NA90370	High voltage wiring/2
21	26NA90280	High voltage relay wiring
22	26NA90380	High voltage wiring/3
23	26TA90080	Drum relay wiring
24	26NA73810	Fan seal/1
25	26NA-7510	High voltage connecting plate/B assembly
26	26NA90270	DC interlock wiring
27	066079020	Drawer
28	26NA90060	Fixing relay wiring
29	26NA80510	Main fan motor
30	26NA73270	High voltage mount plate
31	26NA73510	Contact support plate/B
32	26NA73360	Wiring mount plate/B

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z713206
c	00Z193041
d	00Z253081
e	00Z283061
f	00Z193061
g	00Z193062
h	00Z194081

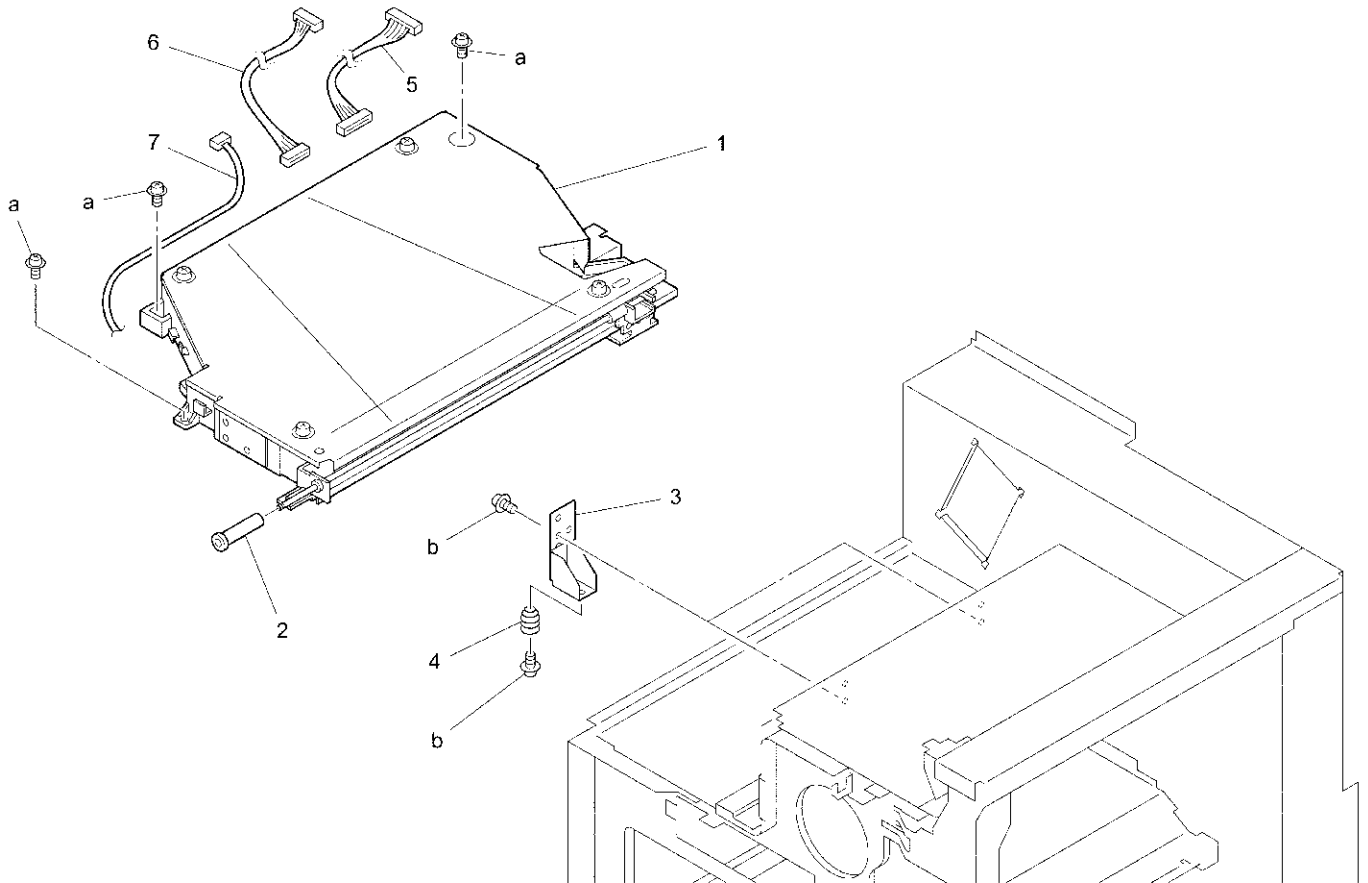
Electric parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA73240	Board cover plate/B
2	26TA-9021	Main driving board assembly
3	26TA-9300	System control board unit
4	26NA80510	Main fan motor
5	26NA73010	Board mount plate
6	26NA73370	Wiring cover plate
7	26NA73021	Protect cover
8	26NA73380	Board mount plate/B
9	26NA73420	Board mount plate/C
10	26NA73260	Board cover plate/C
11	26NA73290	Wiring mount plate/A
12	26NA73460	Power source cover plate
13	26NA73410	Cord mount plate
14	26NA-7520	Power socket assembly
15	26NA84510	DC power source/1
16	26NE88610	Power source cord
17	26NA88460	Circuit breaker
18	26NA73570	Contact fixing screw/A
19	26NA-9110	Parameter memory board assembly
20	26NA73280	Board cover/D
21	26NA90110	AC power source wiring
22	55GA86010	Power source switch
23	26NA73610	Fan spacer

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193041
b	00Z193061
c	00Z193351
d	00Z283061
e	00Z630406
f	00Z184065
g	00Z164081
h	00Z925104
j	00Z183043

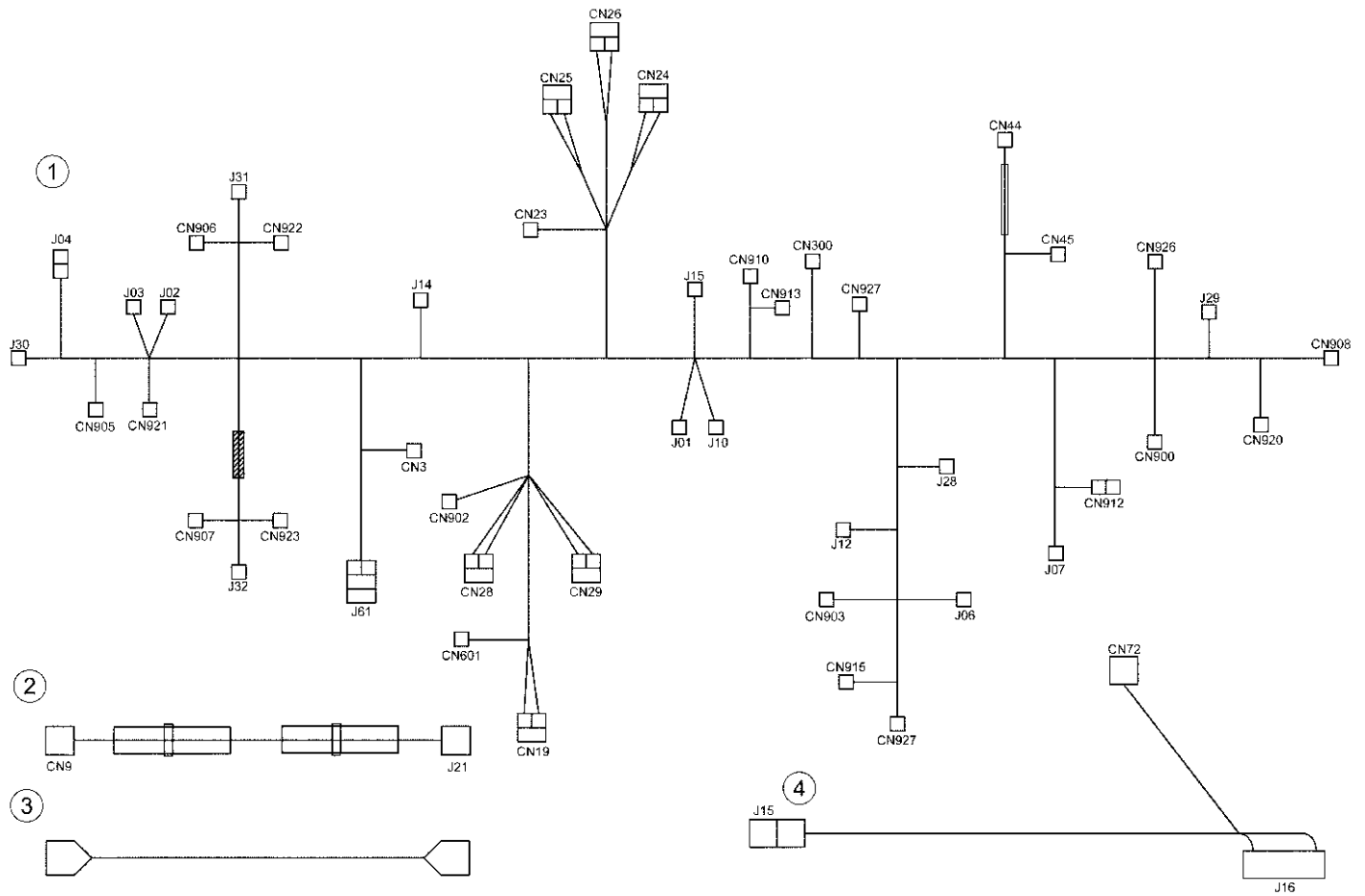
Writing unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-6500	Writing unit
2	26NA65260	Writing cleaner knob
3	26NA65280	Writing mount part
4	26NA65290	Writing mount spring
5	26NA90390	LD relay wiring/2
6	26NA90180	Polygon relay wiring
7	26NA90240	INDEX driving wiring

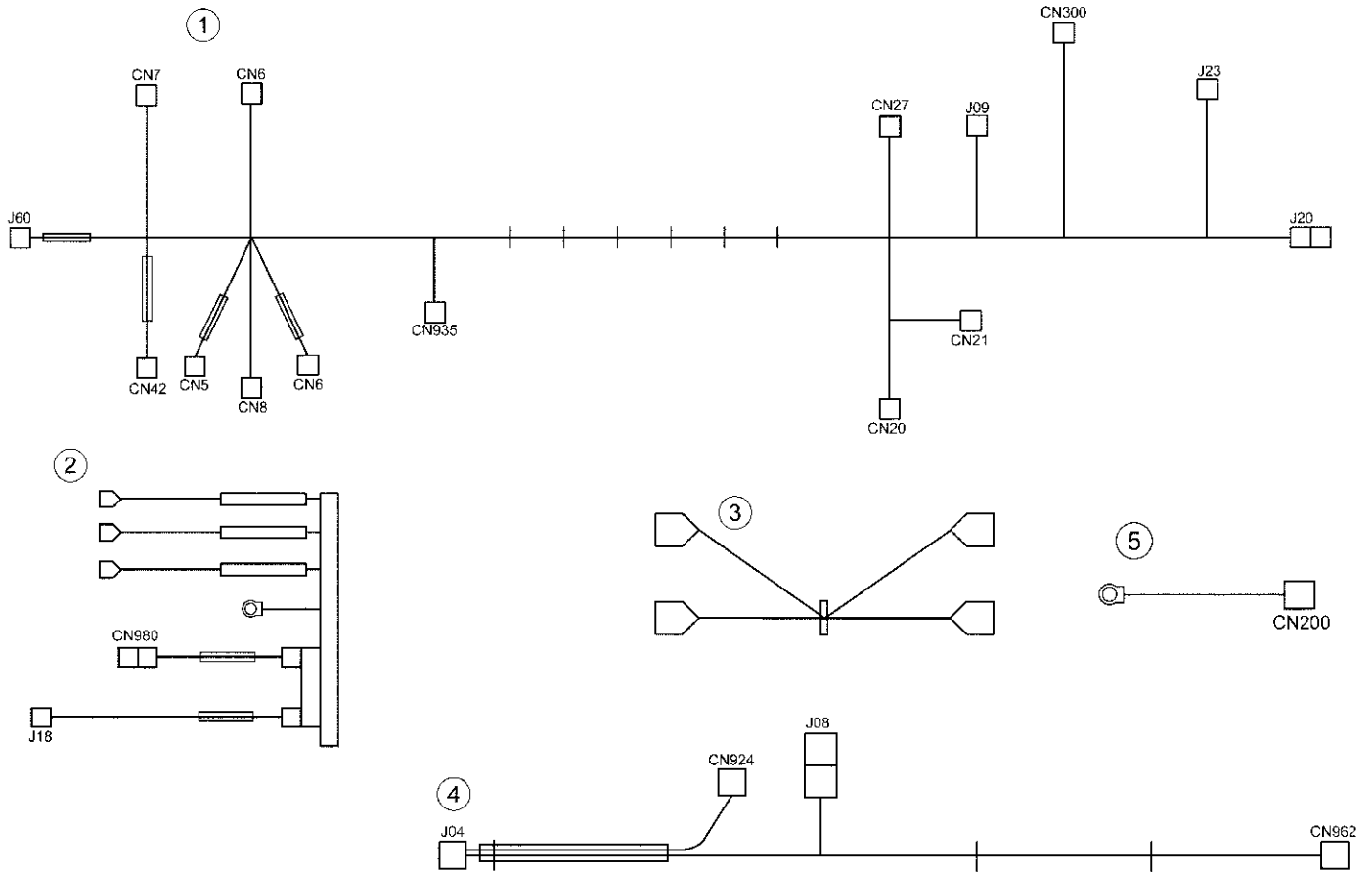
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z163101
b	00Z193061

Wiring



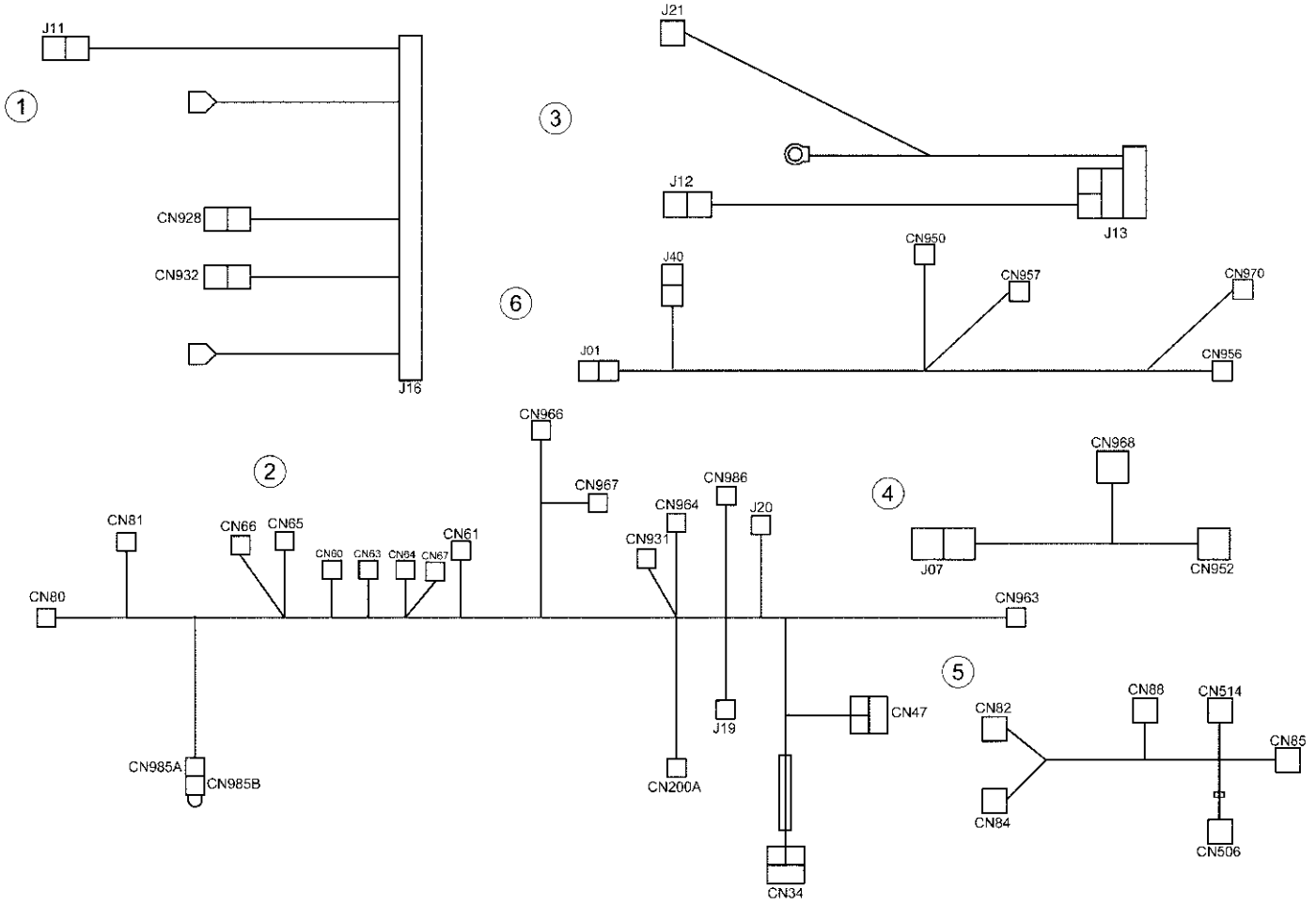
REF. NO.	PART NUMBER	DESCRIPTION
1	26TA90010	Main wiring
2	26NA90020	Heater relay wiring
3	26TA90040	Fuse cord/1
4	26TA90080	Drum relay wiring

Wiring



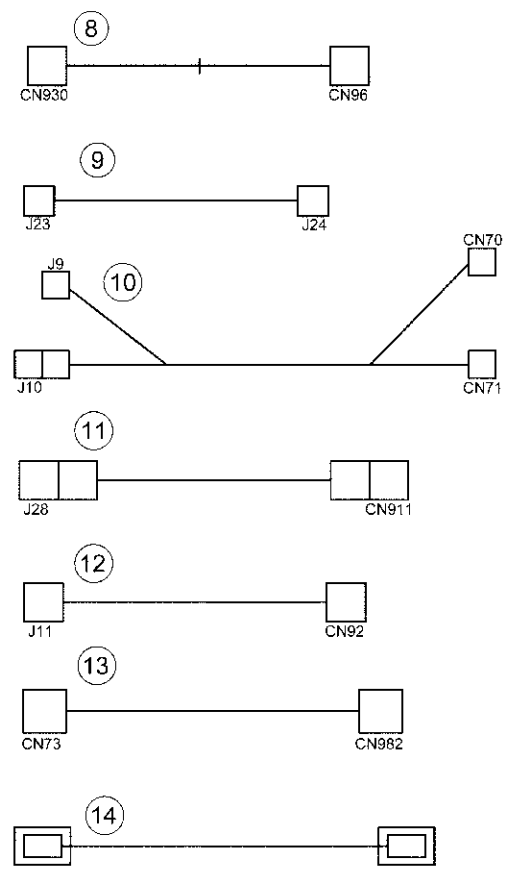
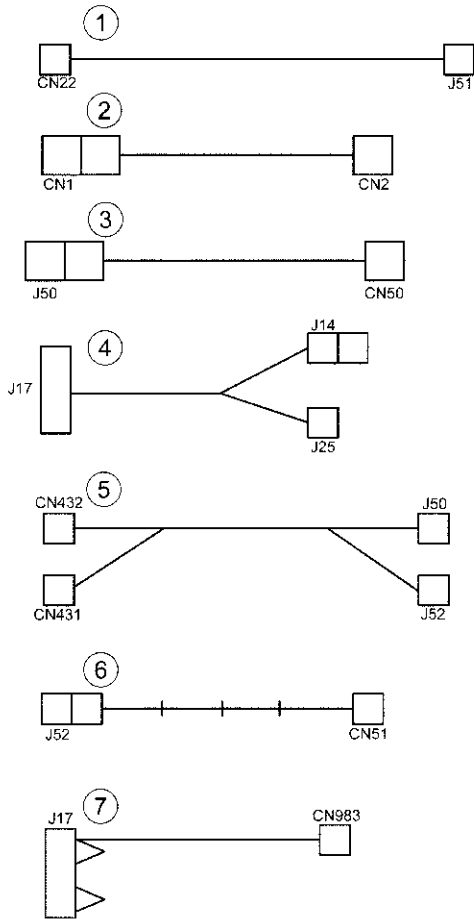
REF. NO.	PART NUMBER	DESCRIPTION
1	26TA90030	DC power source wiring
2	26TA90050	Fixing powering wiring
3	26NA90110	AC power source wiring
4	26NA90140	Manual feed wiring
5	26NA90420	Option wiring/1

Wiring



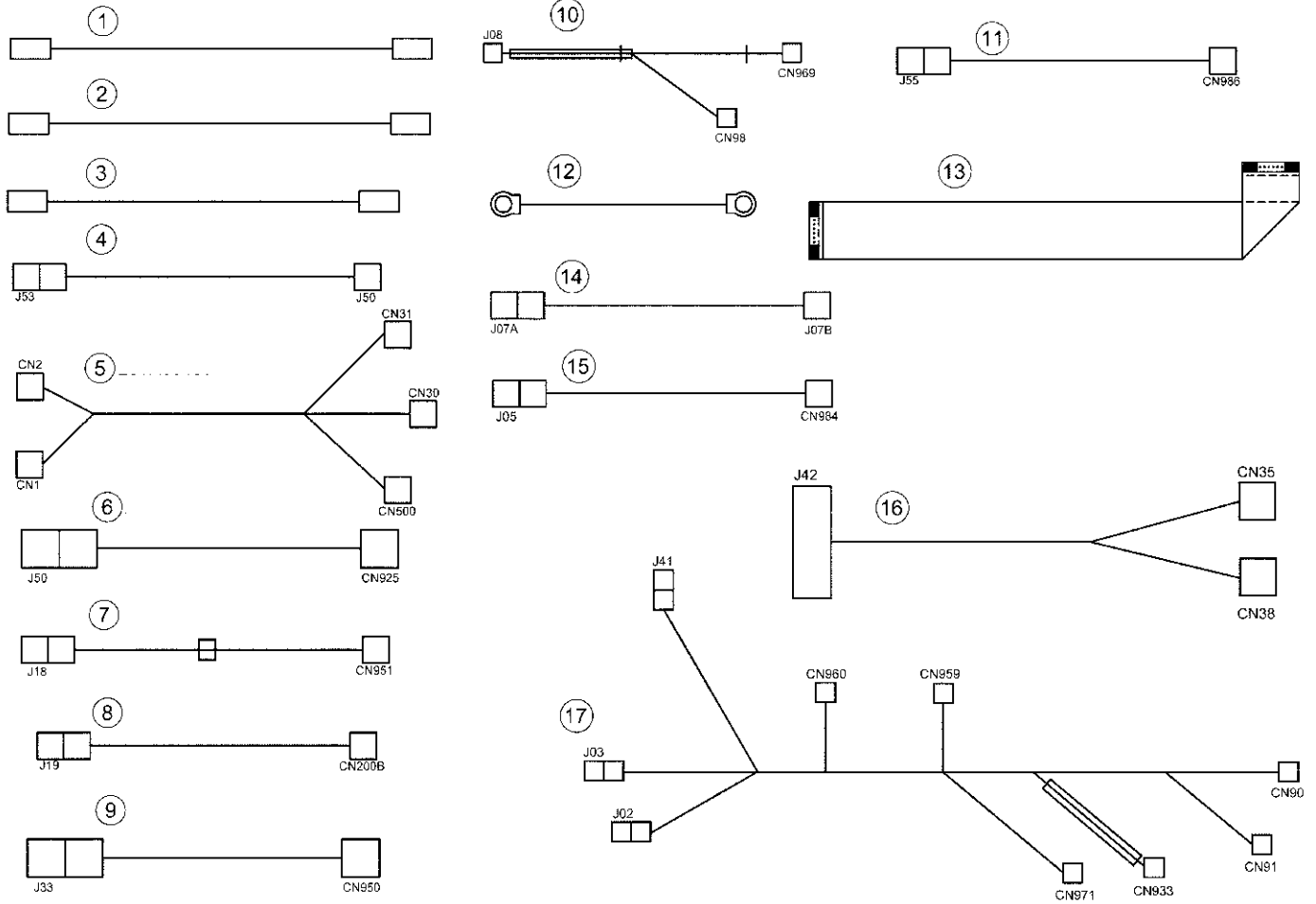
REF. NO.	PART NUMBER	DESCRIPTION
1	26TA90070	Drum wiring
2	26TA90090	Optics wiring
3	26NA90060	Fixing relay wiring
4	26NA90170	Paper exit detecting wiring
5	26NA90161	Operation wiring/2
6	26PA90120	Paper feed wiring/upper

Wiring



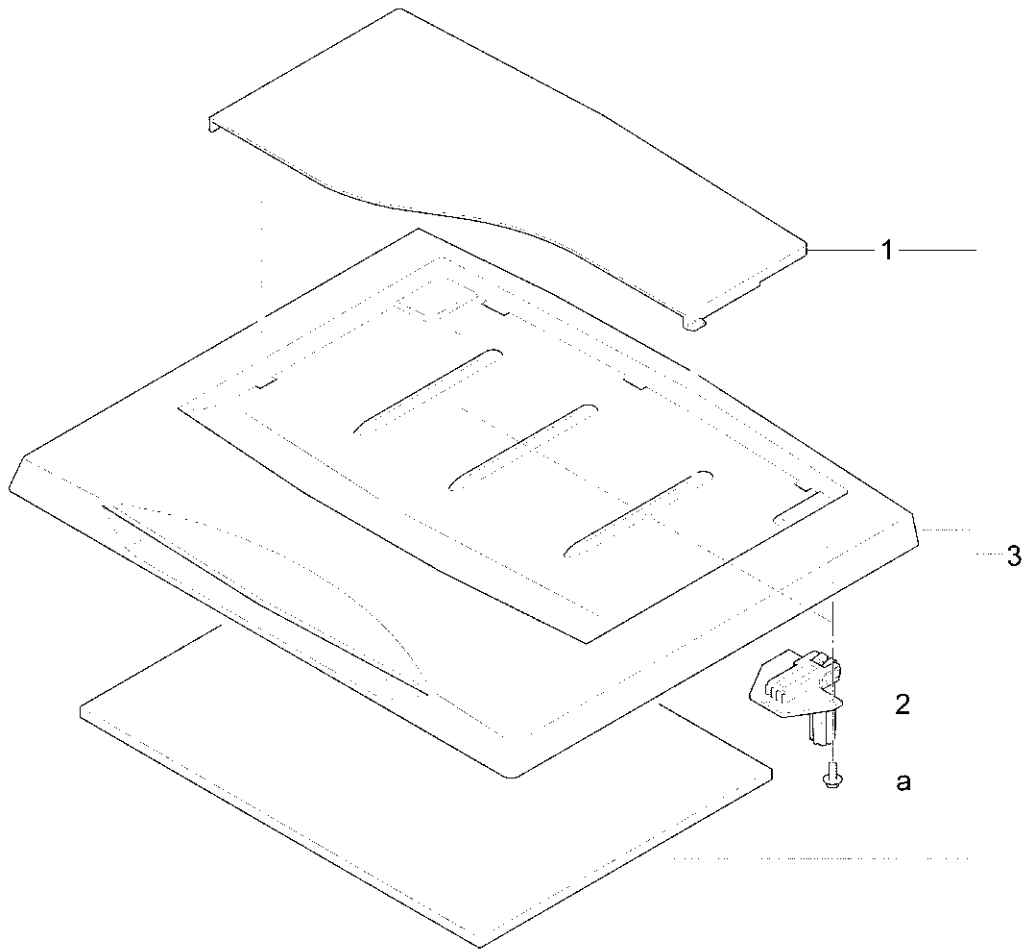
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90180	Polygon relay wiring
2	26NA90330	Relay wiring/3
3	26TA90210	LD driving wiring
4	26TA90340	Developing relay wiring
5	26NA90230	LD relay wiring/1
6	26NA90240	INDEX driving wiring
7	26TA90250	Development wiring
8	26NA90260	Lamp relay wiring
9	26NA90270	DC interlock wiring
10	26NA90280	High voltage relay wiring
11	26NA90300	Relay wiring
12	26NA90310	Relay wiring/1
13	26NA90320	Relay wiring/2
14	26NA90350	Developing relay wiring/2

Wiring



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90360	High voltage wiring/1
2	26NA90370	High voltage wiring/2
3	26NA90380	High voltage wiring/3
4	26NA90390	LD relay wiring/2
5	26TA90400	System power source wiring
6	26NA90410	Web relay wiring
7	26TA90490	Fixing relay wiring/2
8	26NA90430	Option relay wiring/2
9	26NA90440	Resist relay wiring
10	26NA90451	Bypass feed detecting wiring
11	26NA90460	Total counter relay wiring
12	26NA90470	Paper exit ground wiring
13	26NA90500	A/D wiring
14	26NA90480	Paper exit relay wiring
15	26NA90190	Toner supply wiring
16	26TA90520	Paper exit driving wiring
17	26PA90130	Paper feed wiring/lower

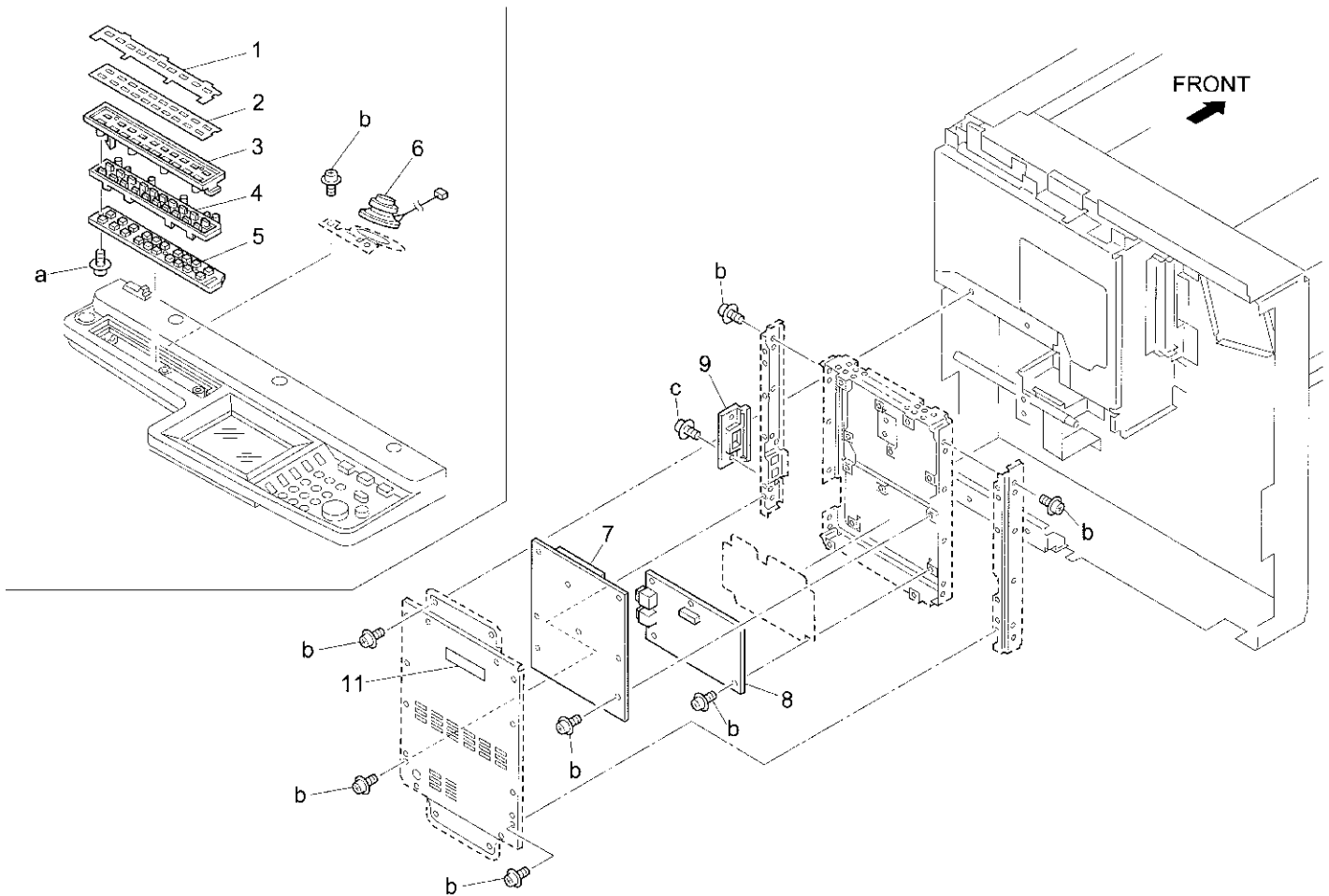
Platen cover (CV-109)



REF. NO.	PART NUMBER	DESCRIPTION
1	13HL14070	Original cover/upper
2	13HL14040	Original cover hinge
3	13HL-1400	Original cover assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z254101

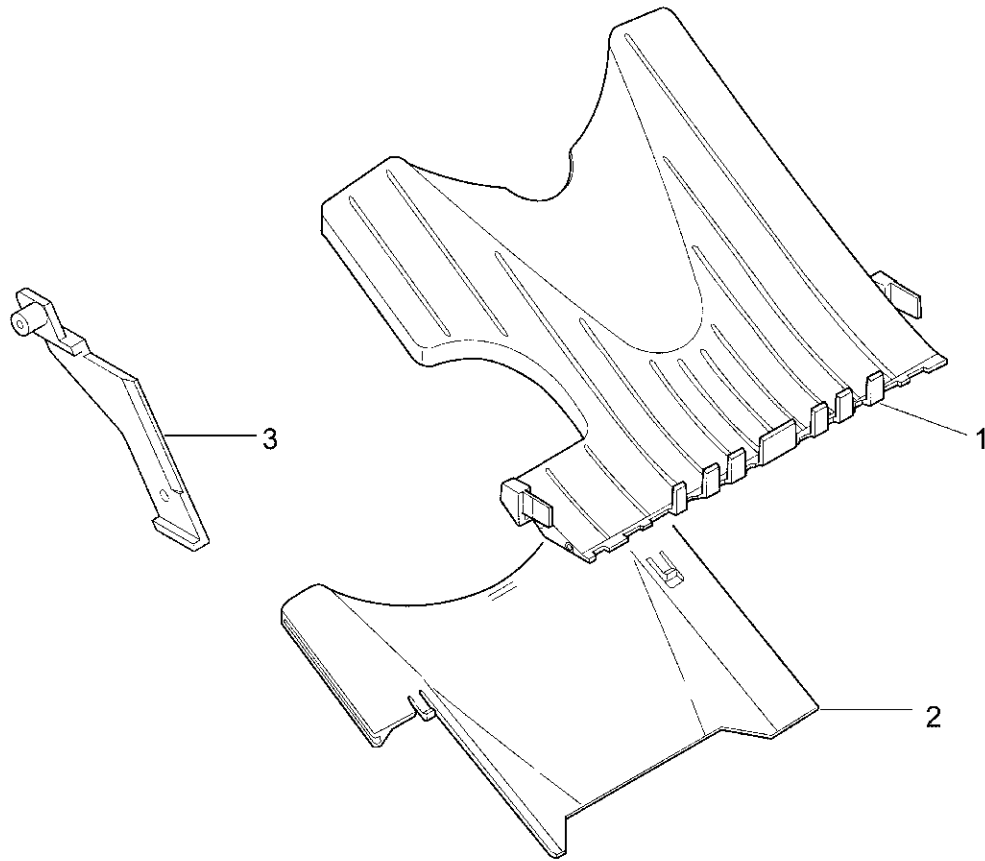
Fax kit (FK-101)



REF. NO.	PART NUMBER	DESCRIPTION
1	13FQ70020	Cover sheet
2	13FQ70030	Sheet
3	13FQ70010	Board mount plate
4	13FQ70040	Operation button
5	13FQ-9030	Option operating board
6	13FQ82510	Monitor speaker
7	13FQ-9010	Fax control board
8	13FQ-9020	NCU board/Q
9	13FQ73050	Side cover
10	*	Not used
11	13FQ73100	Electrify seal

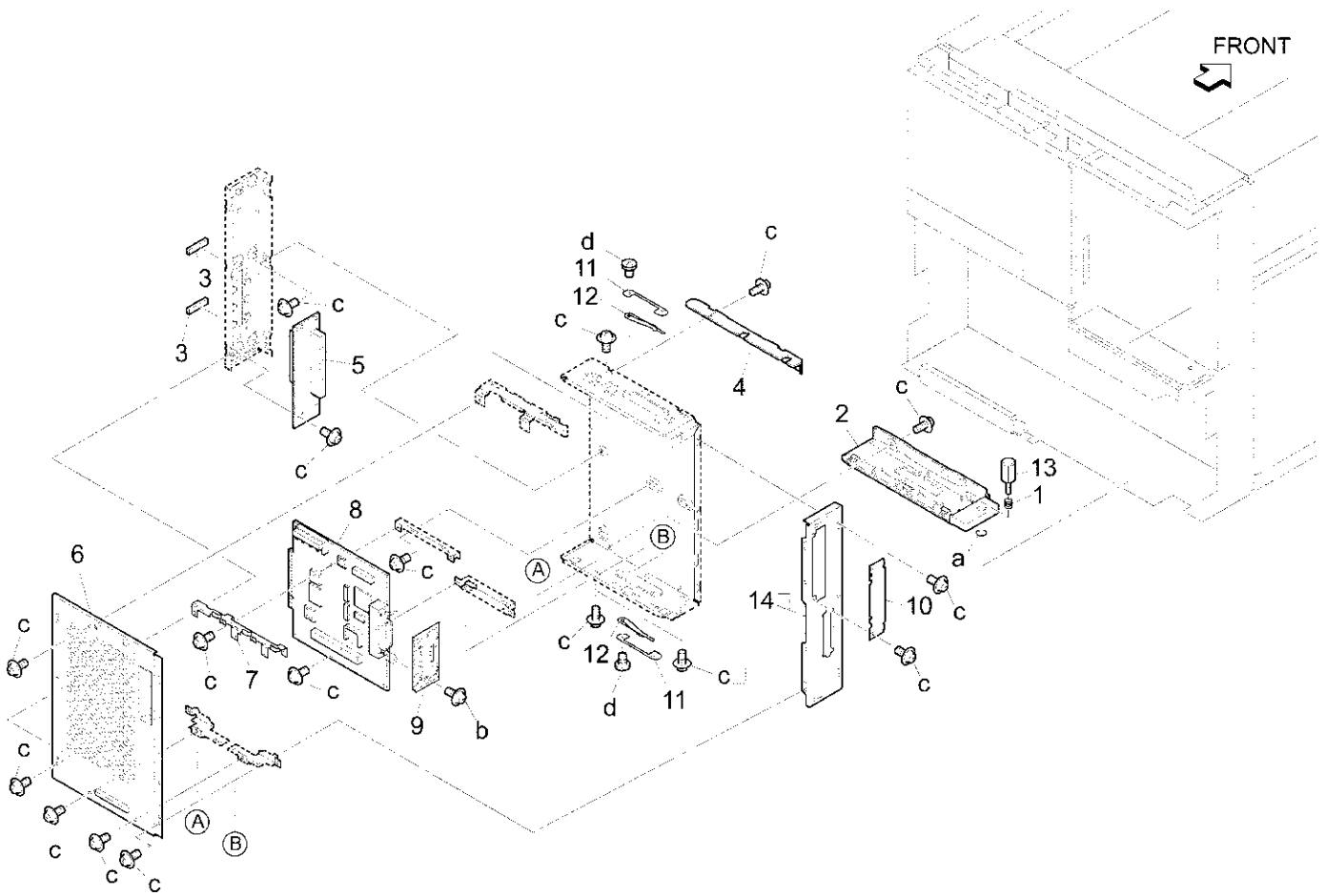
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z193041
c	00Z193062

Finisher output tray (FT-107)



REF. NO.	PART NUMBER	DESCRIPTION
1	13GQ48010	Paper exit tray/A
2	13GQ48020	Paper exit tray/B
3	13GS10010	Support part

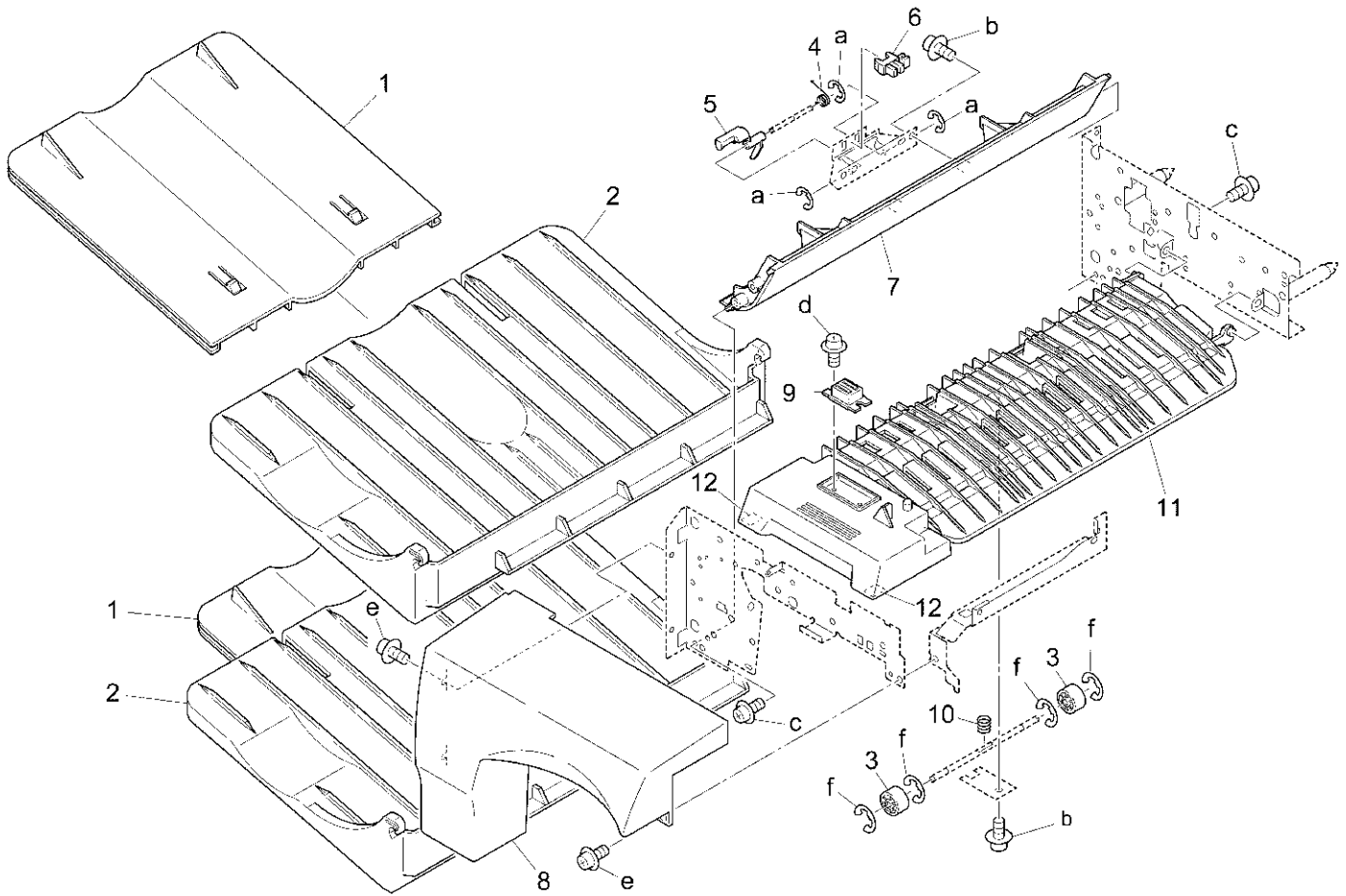
Print controller (IP-011)



REF. NO.	PART NUMBER	DESCRIPTION
1	13FM73191	Auxiliary spring
2	13FM73131	Slide part/lower
3	13FM73200	Electricity seal
4	13FM73140	Slide part/upper
5	13FM-9021	Printer relay board assembly/1
6	13FM73040	Board cover plate/A
7	13FM73100	Board support plate/E
8	13FM-9011	Printer control board assembly
9	13FM73180	Ground spring/3
10	13FM73090	Cover plate/1
11	13FM73110	Spring hold plate
12	13FM73170	Ground spring/2
13	450011270	Screw
14	13FM73030	Board mount plate/C

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z113065
c	00Z193041
d	00Z183042

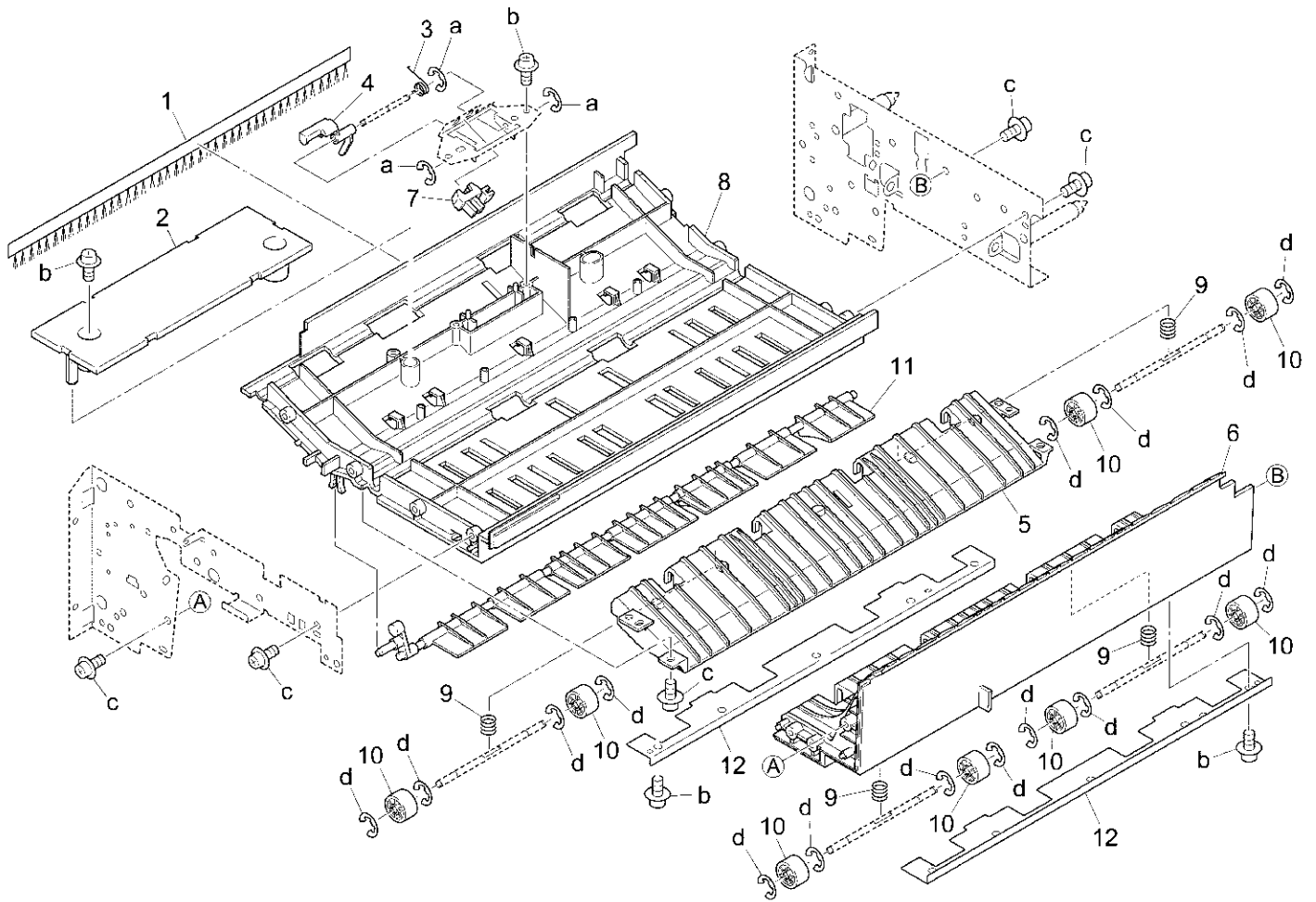
Inner exit tray (IT-101)



REF. NO.	PART NUMBER	DESCRIPTION
1	13NG12060	Paper exit tray/B
2	13NG12050	Paper exit tray/A
3	13NG45200	Conveyance driven roller
4	13NG45170	Pressure spring
5	13NG45150	Paper detecting actuator
6	08AA85510	Photosensor
7	13NG45032	Conveyance guide plate/lower
8	13NG12010	Cover/front
9	12AA12100	Magnet catch/A
10	13NG45220	Conveyance pressure spring/2
11	13NG12030	Open/shut plate
12	12VG44430	Cushion/A

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z253081
c	00Z254061
d	00Z243081
e	00Z193062
f	00Z670306

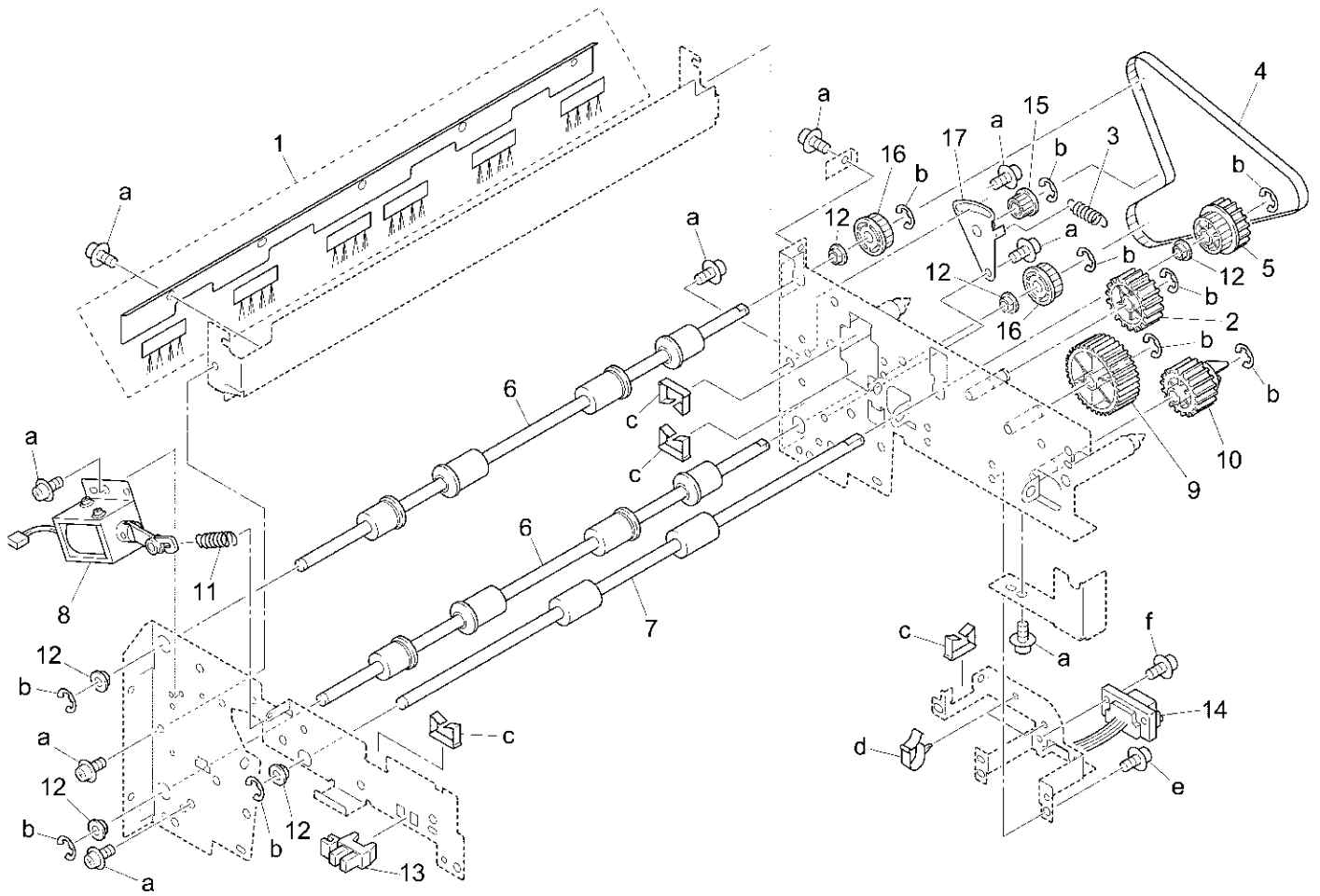
Inner exit tray (IT-101)



REF. NO.	PART NUMBER	DESCRIPTION
1	13NG48010	Neutralizing brush
2	13NG12020	Drive protection cover
3	13NG45170	Pressure spring
4	13NG45150	Paper detecting actuator
5	13NG45020	Conveyance guide plate/upper
6	13NG45141	Conveyance casing/lower
7	08AA85510	Photosensor
8	13NG45012	Conveyance casing/upper
9	13NG45080	Conveyance pressure spring
10	13NG45200	Conveyance driven roller
11	13NG45040	Paper exit guide part
12	13NG45190	Paper exit pressure plate

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z253081
c	00Z254061
d	00Z670306

Inner exit tray (IT-101)

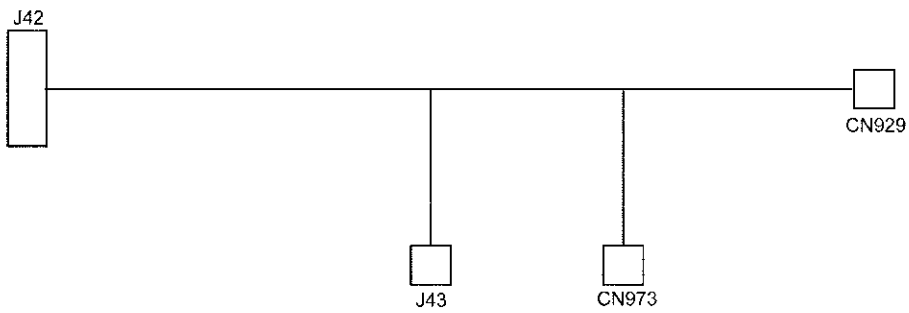


REF. NO.	PART NUMBER	DESCRIPTION
1	13NG-4870	Wiring cover/B assembly
2	13NG15080	Idler gear
3	26NA51030	Tension spring
4	26TA17140	Belt
5	13NG15040	Conveyance pulley
6	13NG45060	Paper exit roller
7	13NG45050	Conveyance roller
8	13NG-4510	Solenoid assembly
9	25HA77070	Gear/G
10	13NG15010	Input gear
11	26NA48110	Tension spring
12	466076020	Paper feed shaft holder
13	08AA85510	Photosensor
14	13NG90010	Option wiring
15	13NG15050	Tension roller
16	26NA50430	Conveyance pulley/B (Z=28)
17	26NA-5140	Tension plate caulking

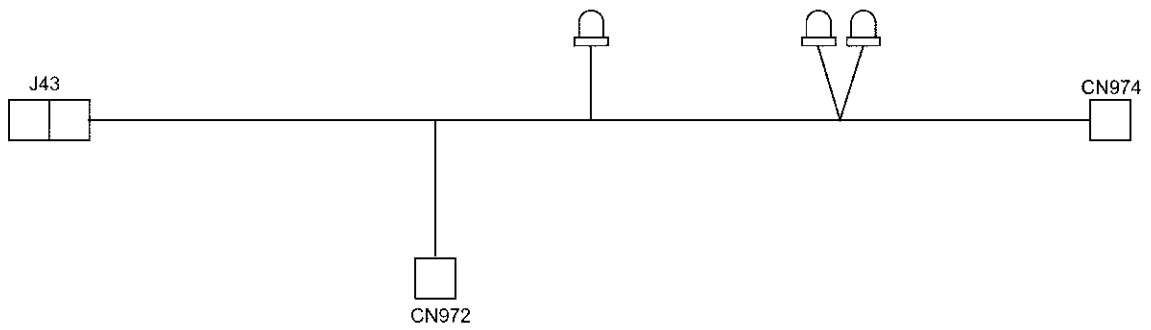
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z670406
c	00Z921330
d	00Z926904
e	00Z193043
f	00Z193081

Inner exit tray (IT-101)

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REF. NO.	PART NUMBER	DESCRIPTION
1	13NG90010	Option wiring
2	13NG90020	Option wiring/2

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Conveyance stopper	49	21	Developing seal/T	31	27	Dust proof seal	59	10
Conveyance support plate assembly	59	14	Developing seal/U	31	28	Dust proof seal/5	3	26
Conveyance unit	49	1	Developing shaft holder	31	8	Dust proof seal/5	43	12
Cooling cover/A assembly	3	16	Developing shaft holder/front	31	18			
Cooling cover/B assembly	3	17	Developing shaft holder/rear	31	19	E		
Cooling cover/C assembly	3	20	Developing support stopper	33	7	Electricity seal	101	3
Cooling cover/E assembly	37	8	Developing unit	31	1	Electrify seal	97	11
Cord cover	49	10	Development wiring	31	25	Electrode cleaning knob	49	18
Cord cover	79	8	Development wiring	91	7	Electrode connecting spring(B)	21	1
Cord cover/A	5	11	Discharge wire	29	2	Electrode connecting spring/A	29	13
Cord cover/A	7	14	Door switch	79	1	Electrode connecting spring/A	79	4
Cord cover/B	7	3	Double feed pressure spring	41	4	Electrode mount plate/1	3	27
Cord cover/B	7	13	Double feed pressure spring	47	5	Electrode plate	29	11
Cord mount plate	81	13	Double feed preventive plate	61	16	Electrode spring	29	12
Coupling spring	15	19	Double feed preventive roller	41	3	Exposure lamp	13	12
Cover	63	21	Double feed preventive roller	47	3	External fixed screw	5	12
Cover	67	22	Double feed preventive roller/upper	39	21	External fixed screw	67	18
Cover plate/1	101	10	Double feed preventive roller/upper	45	20			
Cover sheet	97	1	Double feed preventive rubber/upper	39	20	F		
Cover/F	5	16	Double feed preventive rubber/lower	41	2	Fan casing/A	79	11
Cover/front	103	8	Double feed preventive rubber/upper	45	19	Fan cover	79	6
Cushion/A	103	12	Double feed preventive rubber/lower	47	2	Fan cover/1	43	7
Cushion/C	67	6	Drawer	17	25	Fan cover/2 assembly	43	5
			Drawer	41	6	Fan motor assembly	67	3
D			Drawer	79	27	Fan seal/1	79	24
DC interlock wiring	79	26	Drive plate assembly	15	24	Fan spacer	81	23
DC interlock wiring	91	9	Drive protection cover	105	2	Fax control board	97	7
DC power source wiring	87	1	Driven shaft holder	69	8	Feeding roller	39	16
DC power source/1	81	15	Driven shaft holder	73	17	Feeding roller	45	15
Detecting actuator/A	37	7	Driven shaft holder/lower	69	36	Feeding shaft holder	39	18
Detecting spring	7	21	Driving auxiliary plate	35	20	Feeding shaft holder	45	17
Developing adjusting cam/front	31	12	Driving belt (L=300)	71	1	Felt/A	21	19
Developing block	31	21	Driving coupling	39	14	Felt/C	35	3
Developing connecting plate	31	20	Driving coupling	45	13	Ferrite core	13	31
Developing cover assembly	33	1	Driving gear (Z=15)	17	10	Filter cover assembly	43	9
Developing cover assembly	33	2	Driving gear (Z=15)	19	5	Fixed plate	11	27
Developing cover part/A assembly	33	5	Driving pulley (Z=70)	13	24	Fixed screw	51	7
Developing cover part/C assembly	33	6	Driving shaft holder	13	22	Fixed screw	57	17
Developing drive gear/1 (Z=23/52)	17	7	Driving shaft holder	13	22	Fixing claw	55	4
Developing drive gear/2 (Z=27)	17	24	Driving spacer/1	15	34	Fixing cleaner lever	57	25
Developing drive gear/3 (Z=25/28)	17	5	Driving spacer/2	15	2	Fixing cleaner roller	55	13
			Drum caution label	49	23	Fixing cleaner shaft holder/A	55	12
			Drum driving gear (Z=108)	15	25	Fixing cleaner shaft holder/A	55	15
			Drum driving motor	15	11	Fixing cleaner shaft holder/B	55	6

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Fixing cleaner shaft holder/C	57	23	Ground plate	49	15	Insulating sheet/A	3	19
Fixing cover/front	53	5	Ground plate	75	26	Insulating sheet/2	69	37
Fixing cover/rear	53	18	Ground plate	77	26	Internal cooling fan	3	18
Fixing driving gear/D (Z=16/38)	57	26	Ground spring	11	21			
Fixing entrance plate	55	10	Ground spring	49	12			
Fixing entrance plate/2 assembly	55	14	Ground spring/2	101	12	L		
Fixing fixed part	53	7	Ground spring/3	101	9	L detecting seal	33	9
Fixing gear (Z=47)	53	16	Guide part	49	14	LD driving wiring	91	3
Fixing guide part	57	14	Guide part/lower	71	16	LD relay wiring/1	91	5
Fixing guide part/2	57	8	Guide part/middle	71	21	LD relay wiring/2	83	5
Fixing guide part assembly	57	38	Guide sheet	47	12	LD relay wiring/2	93	4
Fixing guide screw	51	2				Lamp relay wiring	91	8
Fixing guide screw	55	22	H			Lamp support part/front	53	6
Fixing heat insulate sheet/B	55	20	Heat insulating part	55	25	Lamp support part/rear	53	19
Fixing heat insulate sheet/C	55	21	Heat insulating sheet/E	55	1	Laser caution label/3	5	6
Fixing heat insulating sheet/D	51	4	Heat insulating sleeve/A	53	9	Laser indication label	7	19
Fixing heater/1	53	3	Heat insulating sleeve/B	53	17	Lens cover	11	5
Fixing heater/2	53	4	Heater assembly	3	2	Lever click shaft	41	1
Fixing idler gear/A (Z=23/23)	57	28	Heater relay wiring	85	2	Lever click shaft	47	4
Fixing idler gear/B (Z=21)	57	27	High tension caution label	11	23	Lever hold spring	39	6
Fixing mount rail assembly	57	32	High voltage casing/A	69	17	Lever hold spring	45	12
Fixing paper exit actuator	57	3	High voltage casing/B assembly	69	16	Lever indication label/1	41	16
Fixing powering wiring	53	13	High voltage caution label	5	21	Lever indication label/2	47	14
Fixing powering wiring	87	2	High voltage connecting plate/b assembly	79	25	Lever indication label/3	71	26
Fixing relay wiring	79	28	High voltage cover plate/A	79	12	Lever indication label/4	61	14
Fixing relay wiring	89	3	High voltage mount plate	79	30	Lever indication label/5	57	6
Fixing relay wiring/2	57	2	High voltage power source	79	16	Lever indication label/6	49	22
Fixing relay wiring/2	93	7	High voltage relay wiring	79	21	Lever shaft holder	57	13
Fixing roller/lower	57	12	High voltage relay wiring	91	10	Lever spring	57	24
Fixing roller/upper	53	2	High voltage wiring/1	79	19	Lift up shaft/front assembly	3	8
Fixing seal	75	9	High voltage wiring/1	93	1	Lift up shaft/rear assembly	3	9
Fixing seal	77	11	High voltage wiring/2	79	20	Lift-up bottom plate assembly	75	3
Fixing sensor	53	1	High voltage wiring/3	79	22	Lift-up bottom plate assembly	77	3
Fixing shaft holder/lower	15	8	High voltage wiring/3	93	3	Lift-up cover	3	6
Fixing shaft holder/lower	57	35	Hinge plate/B	69	1	Lift-up knob	3	4
Fixing shaft holder/upper	53	10				Lift-up plate	49	3
Fixing unit	51	1	I			Lift-up shaft assembly	75	10
Front cover/upper	5	15	INDEX driving wiring	83	7	Lift-up shaft assembly	77	10
Front door/right	5	8	INDEX driving wiring	91	6	Lift-up spring	49	4
Fulcrum plate assembly	5	10	Idler gear	107	2	Lift-up spring	71	18
Fulcrum plate assembly	73	11	Idler gear (Z=19)	31	5	Lift-up spring/front	71	17
Fuse cord/1	53	14	Idler gear (Z=25)	21	8	Lifting spring/2	49	24
Fuse cord/1	85	3	Idler gear/A (Z=27/54)	19	15	Lock part	3	11
Fuse mount plate assembly	53	15	Idler gear/B (Z=43)	15	39	Lock part/front	57	7
			Idler gear/B (Z=43)	19	12	Lock part/rear	57	11
			Idler gear/C (Z=35)	15	32	Lock spring/1	49	16
G			Idler gear/D (Z=27/45)	15	9	Lock spring/2	49	7
Gear (D) (Z=16)	63	18	Idler gear/E (Z=45)	17	19			
Gear (Z=25)	17	20	Idler gear/F (Z=41)	17	14			
Gear/A (Z=26/97)	15	26	Idler gear/G (Z=21/35)	17	13	M		
Gear/B (Z=97)	15	27	Idler gear/H (Z=33)	19	14	Machine label/3	9	22
Gear/C (Z=32/50)	15	18	Idler gear/I (Z=15/25)	19	9	Magnet catch	69	2
Gear/D (Z=26)	15	38	Idler gear/J (Z=25)	19	8	Magnet catch/A	103	9
Gear/E (Z=32/35)	15	20	Idler gear/K (Z=20)	19	2	Magnet pressure plate	5	7
Gear/F (Z=32/34)	15	14	Idler gear/L (Z=16)	17	6	Magnet pressure plate	65	22
Gear/G	107	9	Idler gear/M (Z=34)	19	3	Main auxiliary cover	5	3
Gear/G (Z=24/49)	15	29	Idler gear/O (Z=35)	17	12	Main cover/front	5	9
Gear/H (Z=55)	15	31	Idler pulley (Z=18)	71	3	Main cover/upper	5	1
Gear/J (Z=35)	15	22	Indication board assembly	9	8	Main driving board assembly	81	2
Gear/M (Z=34)	15	30	Indication lighting	9	19	Main fan motor	43	11
Gear/Q (Z=23/23)	15	15	Input gear	107	10	Main fan motor	79	29
Gear/R (Z=21/50)	15	28	Insulating sheet	69	20	Main fan motor	81	4
Gear/X (Z=45)	15	21				Main setting rubber	3	10
Glass holder plate/front	11	6				Main wiring	85	1
Glass holder plate/rear	11	8				Manual feed auxiliary plate	61	1
Glass holding plate	11	18				Manual feed auxiliary tray	65	15
						Manual feed clutch	63	8

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Manual feed conveyance gear (Z=21)	61	8	Mounting plate	11	28	P		
Manual feed conveyance gear (Z=21)	73	9				PTL light shield assembly	49	5
Manual feed conveyance roller	61	12	N			Paper detecting actuator	41	5
Manual feed conveyance roller	63	15	NCU board/Q	97	8	Paper detecting actuator	45	3
Manual feed conveyance roller	73	7	Neutralizing brush	51	3	Paper detecting actuator	103	5
Manual feed conveyance spring	61	2	Neutralizing brush	55	23	Paper detecting actuator assembly	105	4
Manual feed cover	65	16	Neutralizing brush	105	1	Paper detecting actuator/2	65	24
Manual feed cover assembly	61	18	Neutralizing brush/A	67	8	Paper detecting actuator/2	41	9
Manual feed detecting part	63	12	Neutralizing brush/B	67	7	Paper detecting actuator/2	45	4
Manual feed driven roller	41	15	Neutralizing plate	67	5	Paper exit actuator/2	67	24
Manual feed driving cam	63	3				Paper exit auxiliary sheet	11	25
Manual feed driving gear/1 (Z=25)	17	17	O			Paper exit auxiliary sheet	13	18
Manual feed driving gear/2	17	9	Open-close knob	69	18	Paper exit cover assembly	5	14
Manual feed fulcrum plate assembly	65	17	Open-close label/lower	49	6	Paper exit detecting wiring	67	20
Manual feed guide part	61	3	Open-close label/upper	73	20	Paper exit detecting wiring	89	4
Manual feed guide plate	61	17	Open-close lever	49	8	Paper exit driven part	67	16
Manual feed guide spacer	61	19	Open-close lever	57	9	Paper exit driven roller	67	12
Manual feed idler gear/lower (Z=22)	63	2	Open-close lever/2	49	17	Paper exit driven roller	67	14
Manual feed idler gear/upper (Z=28/30)	61	9	Open-close spring	57	10	Paper exit driven shaft	67	15
Manual feed label/1	65	21	Open-close spring/front	73	13	Paper exit driven spring	67	13
Manual feed label/2	65	12	Open-close spring/rear	73	15	Paper exit driving wiring	93	16
Manual feed lift-up lever	61	21	Open/shut plate	103	11	Paper exit gear (Z=26)	15	23
Manual feed lift-up plate assembly	61	15	Operation board/1 assembly	9	14	Paper exit gear (Z=26)	67	25
Manual feed lift-up shaft	61	20	Operation button	97	4	Paper exit ground wiring	67	2
Manual feed open-close spring/rear	65	19	Operation cover/lower	9	17	Paper exit ground wiring	93	12
Manual feed paper guide assembly	61	22	Operation tray	9	1	Paper exit guide cover	5	17
Manual feed part	63	17	Operation unit	9	20	Paper exit guide part	67	26
Manual feed pick up assembly/2	63	24	Operation unit button/A	9	11	Paper exit guide part	105	11
Manual feed pressure rubber	61	7	Operation unit button/B	9	13	Paper exit pressure plate	105	12
Manual feed pressure spring	61	11	Operation unit button/C	9	12	Paper exit relay wiring	93	14
Manual feed roller	63	23	Operation unit button/D	9	21	Paper exit roller	67	9
Manual feed solenoid assembly	63	5	Operation unit button/E	9	16	Paper exit roller	107	6
Manual feed sticking part/2	73	21	Operation unit button/F	9	5	Paper exit shaft holder	17	21
Manual feed sticking part/3	65	23	Operation unit button/G	9	6	Paper exit slide shaft holder	67	11
Manual feed tray/lower	65	20	Operation unit button/H	9	3	Paper exit slide shaft holder	71	7
Manual feed tray/upper	65	5	Operation unit cover	9	10	Paper exit spring	67	17
Manual feed wiring	63	9	Operation unit cover/upper	9	2	Paper exit stay	67	21
Manual feed wiring	87	4	Operation unit ground plate/1	9	18	Paper exit tray	5	4
Mirror adjusting screw	13	14	Operation unit sheet	9	9	Paper exit tray/A	99	1
Mirror mount plate/1	13	13	Operation wiring/2	9	15	Paper exit tray/A	103	2
Mirror mount plate/2 assembly	13	1	Operation wiring/2	89	5	Paper exit tray/B	99	2
Mirror pressure spring	13	15	Optics caution label	11	19	Paper exit tray/B	103	1
Mirror pressure spring/3	13	8	Optics mirror/1	13	16	Paper exit unit	67	1
Mirror pressure spring/4	13	6	Optics mirror/2	13	7	Paper feed auxiliary part	41	17
Mirror support plate/front	13	5	Optics slide plate/front	13	4	Paper feed clutch	17	22
Mirror support plate/rear	13	32	Optics slide plate/rear	13	9	Paper feed connecting roller/1	39	10
Monitor speaker	97	6	Optics slide sheet/1	11	15	Paper feed connecting roller/2	47	8
Motor belt (L=163.5)	13	25	Optics slide sheet/2	11	12	Paper feed conveyance spring	47	15
Motor gear (Z=31)	71	10	Optics wire/front	13	19	Paper feed coupling gear/A (Z=25)	17	11
Motor mount plate assembly	71	12	Optics wire/rear	13	20	Paper feed coupling gear/A (Z=25)	19	6
Mount plate	71	23	Optics wiring	89	2	Paper feed coupling gear/B (Z=20)	17	16
Mount plate/2	11	14	Option operating board	97	5	Paper feed coupling gear/B (Z=20)	19	4
Mount screw	53	12	Option relay wiring/2	93	8	Paper feed driven roller	61	6
			Option wiring	107	14	Paper feed driven roller/lower	47	17
			Option wiring	109	1	Paper feed driving gear (Z=52/97)	19	16
			Option wiring/1	87	5	Paper feed enter plate assembly	47	13
			Option wiring/2	109	2	Paper feed gear (Z=15)	17	23
			Original cover assembly	95	3	Paper feed gear (Z=15)	19	10
			Original cover hinge	95	2			
			Original cover/upper	95	1			
			Ozone filter	7	16			

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Paper feed gear/2 assembly	17	15	Photosensor	45	2	Reading /right external assembly	7	12
Paper feed gear/3 assembly	19	7	Photosensor	45	5	Reading cover/front	7	6
Paper feed guide plate/lower	47	6	Photosensor	57	1	Reading cover/left	7	2
Paper feed guide plate/upper	41	8	Photosensor	59	6	Reading cover/rear	7	10
Paper feed guide sheet/A	41	11	Photosensor	63	10	Reading seal/2	11	24
Paper feed idler gear (Z=17)	39	19	Photosensor	67	19	Reading support plate/right	11	2
Paper feed idler gear (Z=17)	45	18	Photosensor	71	22	Rear cover	7	8
Paper feed indication plate/front	75	20	Photosensor	103	6	Rear cover/left	7	1
Paper feed indication plate/front	77	20	Photosensor	105	7	Rear cover/right	5	13
Paper feed lower assembly	47	1	Photosensor/2	107	13	Rear ground plate	3	21
Paper feed plate/right	47	10	Pin	65	11	Recycling shaft holder	25	13
Paper feed pressure spring/front	41	7	Pin (A)	35	9	Reflect mirror	13	11
Paper feed pressure spring/rear	41	10	Pin (A)	15	37	Regulating plate/front assembly	55	8
Paper feed protect sheet/2	47	9	Pin (A)	17	4	Regulating plate/rear assembly	55	9
Paper feed shaft holder	39	13	Pin (A)	31	2	Regulating seal/A	27	15
Paper feed shaft holder	45	7	Pin (A)	31	24	Relay wiring	91	11
Paper feed shaft holder	63	16	Pin (A)	55	16	Relay wiring/1	91	12
Paper feed shaft holder	107	12	Pin (A)	57	19	Relay wiring/2	79	18
Paper feed slide holder	39	1	Pin (A)	69	32	Relay wiring/2	91	13
Paper feed slide shaft holder	47	7	Pin (A)	71	13	Relay wiring/3	91	2
Paper feed solenoid	39	4	Pin (B)	61	13	Remained detecting sensor	35	22
Paper feed solenoid	45	10	Pin (B)	61	13	Resist actuator	59	8
Paper feed support knob	41	13	Pin (B)	73	10	Resist cleaner assembly	59	15
Paper feed wiring/lower	45	1	Pinion	65	7	Resist clutch	19	11
Paper feed wiring/lower	93	17	Pinion (Z=16)	75	7	Resist clutch	59	4
Paper feed wiring/upper	39	8	Pinion (Z=16)	77	7	Resist fixed screw	59	11
Paper feed wiring/upper	89	6	Pinion/A (Z=124)	65	13	Resist fixed screw	67	23
Paper feeding rubber	39	15	Platen glass assembly	11	1	Resist relay wiring	59	5
Paper feeding rubber	45	14	Platen glass assembly/2	11	7	Resist relay wiring	93	9
Paper feeding rubber	63	19	Polygon relay wiring	83	6	Resist roller/A	59	13
Paper feeding shaft holder	15	1	Polygon relay wiring	91	1	Resist roller/B	59	12
Paper feeding shaft holder	49	11	Polyslider 6	15	16	Resist shaft holder/1	59	3
Paper feeding shaft holder	63	7	Polyslider 6	19	17	Resist shaft holder/2	59	1
Paper feeding shaft holder	71	27	Positioning arm	39	22	Resist spring	59	2
Paper feeding spring	39	5	Positioning arm	45	11	Reversal actuator	71	24
Paper feeding spring	45	9	Positioning screw	31	13	Reversal gear (Z=26)	71	8
Paper guide part	57	30	Power socket assembly	81	14	Reversal roller	71	19
Paper guide part/lower	73	14	Power source control switch	9	4	Reversal sheet	71	6
Paper guide part/upper	73	6	Power source cord	81	16	Reversal spacer	71	30
Paper guide plate/front	65	1	Power source cover plate	81	12	Reversing spring	69	10
Paper guide plate/rear	65	2	Power source switch	81	22	Rocking shaft holder	21	10
Paper guide sheet/A	23	13	Powering board assembly	13	28	Roller/B	69	9
Paper guide sheet/C	23	15	Pressure arm/front	57	5	Roller/B	73	2
Paper guide sheet/D	23	16	Pressure arm/rear	57	20	Rotary shaft/A assembly	57	16
Paper lift-up lever shaft holder	17	28	Pressure assembly	37	12			
Paper lift-up plate	75	18	Pressure part/A	55	19	S		
Paper lift-up plate	77	18	Pressure part/B	55	24	Scanner driving board assembly	13	27
Paper push up lever shaft holder	57	15	Pressure roller	69	7	Scanner driving motor	13	26
Paper regulating part/front	65	3	Pressure roller	73	3	Screw	101	13
Paper regulating part/rear	65	4	Pressure roller/upper	69	3	Screw gear (Z=24)	21	21
Paper regulating plate/left	75	2	Pressure spring	57	4	Screw guide/rear assembly	17	
Paper regulating plate/left	77	2	Pressure spring	59	7	Screw seal part/middle	35	26
Paper supply label	75	13	Pressure spring	59	7	Screw seal part/lower	35	13
Paper supply label	77	5	Pressure spring	103	4	Screw seal part/upper	35	11
Paper supply rubber	63	14	Pressure spring	105	3	Screw shaft holder	21	6
Parameter memory board assembly	81	19	Pressure spring assembly	51	9	Screw shaft holder	25	4
Photosensor	3	23	Printer control board assembly	101	8	Screw shaft holder/B	25	7
Photosensor	11	9	Printer relay board assembly/1	101	5	Sensor	79	17
Photosensor	37	6	Protect cover	81	7	Separate auxiliary roller	23	6
Photosensor	39	7	Pulley fixed plate	13	23	Separate bridge	29	1
Photosensor	39	11	R			Separate claw assembly	23	18
			Rack	65	6	Separate fulcrum shaft	23	19
			Rack/A	65	8	Separate guide plate	23	4
			Rail/left	3	13			
			Rail/left	37	5			
			Rail/right	3	14			

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Separate release lever	23	1	Spark arrester preventive plate/rear	29	8	Toner conveyance gear/3 (Z=16)	25	2
Separate release spring . . .	23	5	Spark arrester preventive plate/front	29	10	Toner conveyance gear/4 (Z=13)	25	14
Separate rocking collar . . .	23	3	Spewing PV sheet/B	25	10	Toner conveyance gear/4 (Z=34)	35	7
Separate rocking screw . . .	23	2	Spewing preventive plate/A assembly	23	17	Toner conveyance gear/5 (Z=16/23)	35	19
Separate rocking spring . . .	23	7	Spewing preventive sheet/2	33	12	Toner conveyance shaft holder/A	35	4
Separate solenoid assembly	23	11	Spewing preventive spacer	35	5	Toner cover assembly . . .	39	2
Separate spring	55	3	Spring hold plate	101	11	Toner density sensor . . .	33	10
Separation rocking cam . . .	21	14	Spring lock plate	75	24	Toner detecting board assembly	23	9
Separation rocking gear (Z=18)	21	12	Spring lock plate	77	24	Toner supply base/upper assembly	35	14
Shaft fixed part	21	11	Spring regulating sheet . . .	7	22	Toner supply caution label .	5	25
Shaft guide cover	7	5	Spring spacer	15	33	Toner supply driving assembly	37	1
Shaft holder fulcrum part . .	25	8	Stopper cover	7	11	Toner supply gear/1 (Z=23/51)	37	4
Shaft holder fulcrum part . .	31	17	Stopper part	5	5	Toner supply gear/2 (Z=16/51)	37	3
Shaft holder part/lower . . .	69	29	Suction cover sticking assembly	43	1	Toner supply guide part assembly	37	9
Shaft holder part/upper . . .	69	23	Suction cover/2 assembly . .	43	2	Toner supply label	5	20
Shaft holder spacer	25	6	Suction cover/3 assembly . .	43	3	Toner supply label/2	5	22
Shaft holder spacer	31	6	Suction cover/5	43	6	Toner supply motor	35	17
Shaft positioning part	39	12	Suction cover/6 assembly . .	43	4	Toner supply open-close cover	35	25
Shaft positioning part	39	17	Suction filter/A	43	8	Toner supply open-close plate	35	24
Shaft positioning part	45	6	Suction seal/4	59	16	Toner supply open-close sheet	35	23
Shaft positioning part	45	16	Suction seal/5	59	17	Toner supply open-close spring	35	21
Shaft positioning part	63	13	Support part	59	9	Toner supply regulating gear (Z=42)	35	18
Shaft stopper part	27	11	Support part	63	11	Toner supply regulating gear (Z=18)	37	2
Shaft support plate	3	3	Support part	99	3	Toner supply screw	35	8
Sheet	97	2	Switch guide roller	79	3	Toner supply seal/1	35	30
Side cover	97	9	Switch guide shaft	79	2	Toner supply seal/2	35	29
Side cover/left	7	4	Switch pressure plate	79	7	Toner supply seal/3	35	28
Side cover/rear	5	2	Switch spring/A	79	10	Toner supply seal/4	35	31
Side guide plate	47	11	Switch spring/B	79	9	Toner supply shaft holder .	35	16
Side protection cover	5	19	System control board unit . .	81	3	Toner supply unit	35	1
Side regulating/front assembly	75	8	System power source wiring	93	5	Toner supply wiring	93	15
Side regulating/front assembly	77	12	T			Total counter	5	23
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083020140	5	5	13NG45170	105	3	26NA-4190	45	8
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08AA85510	103	6	13NG45200	103	3	26NA-4241	61	22
08AA85510	105	7	13NG45200	105	10	26NA-4280	63	24
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13FM-9021	101	5	25AA75530	61	5	26NA-4730	77	1
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13FM73040	101	6	25AA85511	45	5	26NA-4740	77	3
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13FM73100	101	7	25BA47461	75	15	26NA-4760	77	10
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13FQ70010	97	3	26NA-1060	3	8	26NA-5151	73	16
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26NA10141	3	1	26NA16270	17	6	26NA26060	29	10
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26NA12210	7	6	26NA17540	17	30	26NA30650	31	19
26NA12220	9	17	26NA17550	17	29	26NA30660	31	9
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26NA53780	51	6	26NA62220	13	18	26NA84510	81	15
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26NA53840	57	23	26NA62280	11	22	26NA88030	79	17
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26NA53940	57	27	26NA65290	83	4	26NA90060	89	3
26NA54030	53	12	26NA70022	9	2	26NA90110	81	21
26NA54051	51	10	26NA70030	9	10	26NA90110	87	3
26NA54070	57	7	26NA70050	9	18	26NA90140	63	9
26NA54080	57	11	26NA70112	9	11	26NA90140	87	4
26NA54100	57	13	26NA70120	9	13	26NA90161	9	15
26NA54110	57	9	26NA70130	9	12	26NA90161	89	5
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26NA54160	55	3	26NA70160	9	5	26NA90180	83	6
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26NA61120	11	26	26NA73210	79	11	26NA90280	91	10
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26NA90350	33	8	26TA-2050	25	17	26TA53440	57	28
26NA90350	91	14	26TA-2090	23	20	26TA53450	57	29
26NA90360	79	19	26TA-2240	23	17	26TA53470	55	17
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26NA90380	79	22	26TA-3110	43	2	26TA54010	55	24
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26NA90410	57	36	26TA-3150	43	5	26TA54290	57	26
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26NA90420	87	5	26TA-3200	35	1	26TA61930	13	25
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26NA97460	61	14	26TA20350	21	20	26TE-3340	37	9
26NA97480	49	22	26TA21460	25	15	26TE-5300	51	1
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26NA97830	5	22	26TA21480	25	2	304078040	61	13
26NE-7000	9	20	26TA21490	25	14	304078040	73	10
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26NE83030	53	4	26TA31050	43	6	40AA20230	23	5
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26NE97060	11	19	26TA31170	59	16	40AA40150	63	13
26NE97070	7	20	26TA31180	59	17	40AA40181	41	1
26NE97140	5	21	26TA32580	37	2	40AA40181	47	4
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26NE97290	77	27	26TA50150	71	8	40AA42270	63	8
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Konica

PARTS CATALOG

Model
7135

SEPTEMBER 2002
CMPC-7135

KONICA BUSINESS TECHNOLOGIES, INC.

How to use this catalog

This parts catalog includes illustrations and part numbers for all replacement parts and assemblies used in this model.

Model-specific parts are identified in the illustrations with reference numbers. Use the reference number to locate the corresponding part number on the facing page.

Common hardware items, such as screws, nuts, washers, and pins, are identified in the illustrations with reference letters. Use the reference letter to locate the corresponding part number on the hardware listing in the lower right hand corner of the facing page.

If you know a part number, but don't know where the part is used, use the numerical index to determine the page number and reference number for that part. Because some common parts are used in several places, there may be more than one entry. Refer to the illustrations to see where the part may be used.

If you know a part's description, but don't know where to look to find the part number, use the alphabetical index to determine likely page and reference numbers. Then look at the illustrations to determine that you have identified the correct part. Locate the part number using the listing on the opposite page.

Retail pricing that appears with the numerical index, while valid when this catalog was printed, is subject to change without notice. The prices are only suggested prices and are provided only for reference. Dealers may determine their own selling prices. For up-to-date pricing, refer to current Konica price lists or contact the Konica Parts Distribution Center.

How to order parts

Use standard Konica parts ordering procedures to obtain these parts. For ordering options, contact Konica's Parts Distribution Center.

When ordering parts, be sure to specify part numbers exactly as listed in this catalog.

NOTE: Electrical parts may include previously used components.

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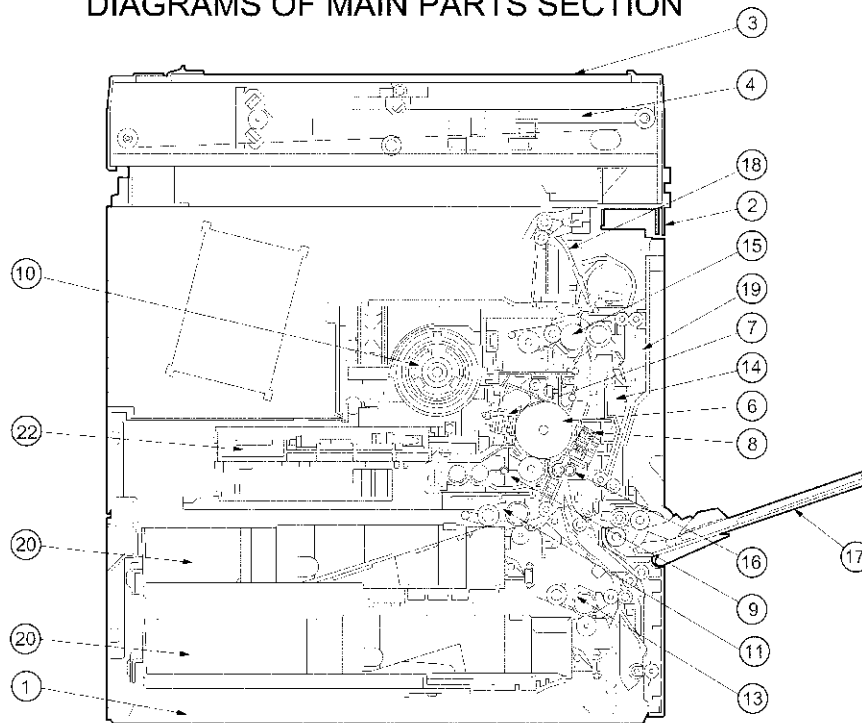
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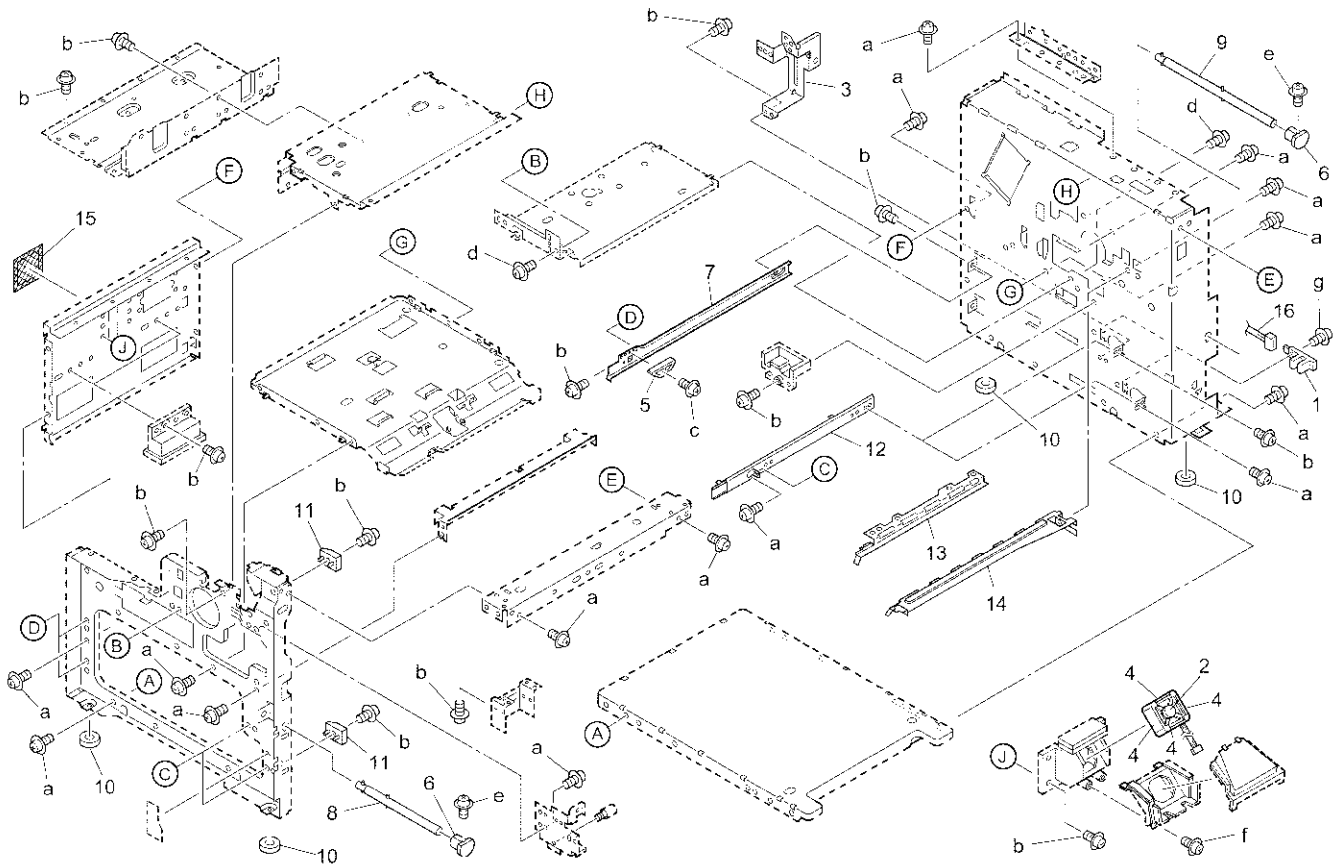
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DIAGRAMS OF MAIN PARTS SECTION



1. Main Frame
2. External Parts
3. Operation Unit
4. Writing Unit
5. Driving Section
6. Drum Cartridge
7. Transfer/Separator Corona Unit
8. Charging Unit
9. Developing Unit
10. Toner Supply Unit
11. Resist Unit
12. Fixing Unit
13. Paper Feed Unit
14. Vertical Conveyance Unit
15. Manual Feed Unit
16. 500 Sheet Tray
17. 1500 Sheet Tray
18. ADU
19. Conveyance Unit
20. Paper Exit Unit
21. Electric Parts
22. Wiring

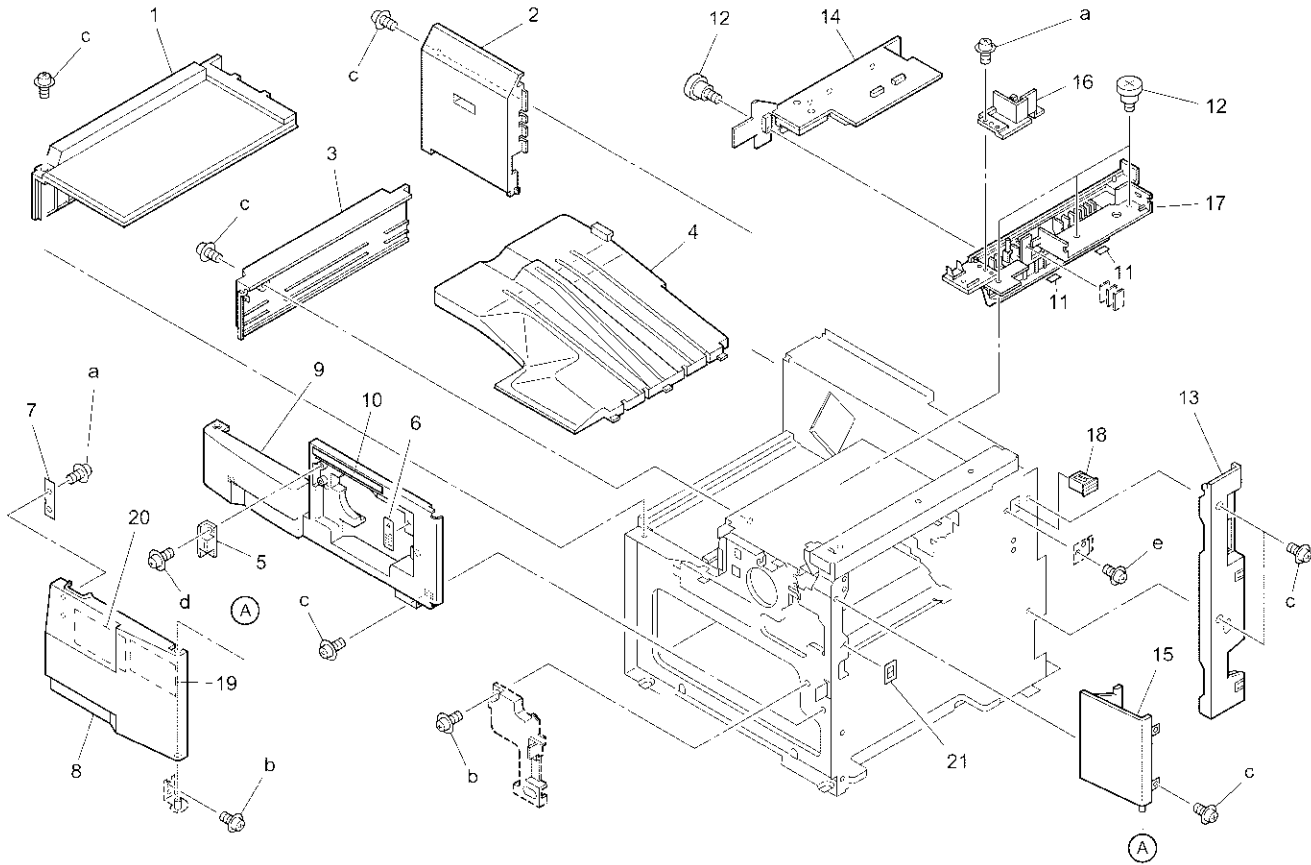
Main Frame



REF. NO.	PART NUMBER	DESCRIPTION
1	56AA85510	Photosensor
2	26NA80510	Main body fan motor
3	26NA10441	Shaft support plate
4	26NA73731	Dust proof seal/5
5	26NA47350	Cassette stopper
6	26NA10310	Lift-up cover
7	26NA10070	Cassette rail/left
8	26NA-1060	Lift up shaft/front assembly
9	26NA-1070	Lift up shaft/rear assembly
10	25HA10292	Main setting rubber
11	26NA10181	Lock part
12	26NA10062	Cassette rail/right
13	26NA10350	Rail/left
14	26NA10360	Rail/right
15	26NA73680	Dust proof filter
16	26WA90330	Wiring/3

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z283061
b	00Z193061
c	00Z183061
d	00Z163061
e	00Z183082
f	00Z253121
g	00Z193101

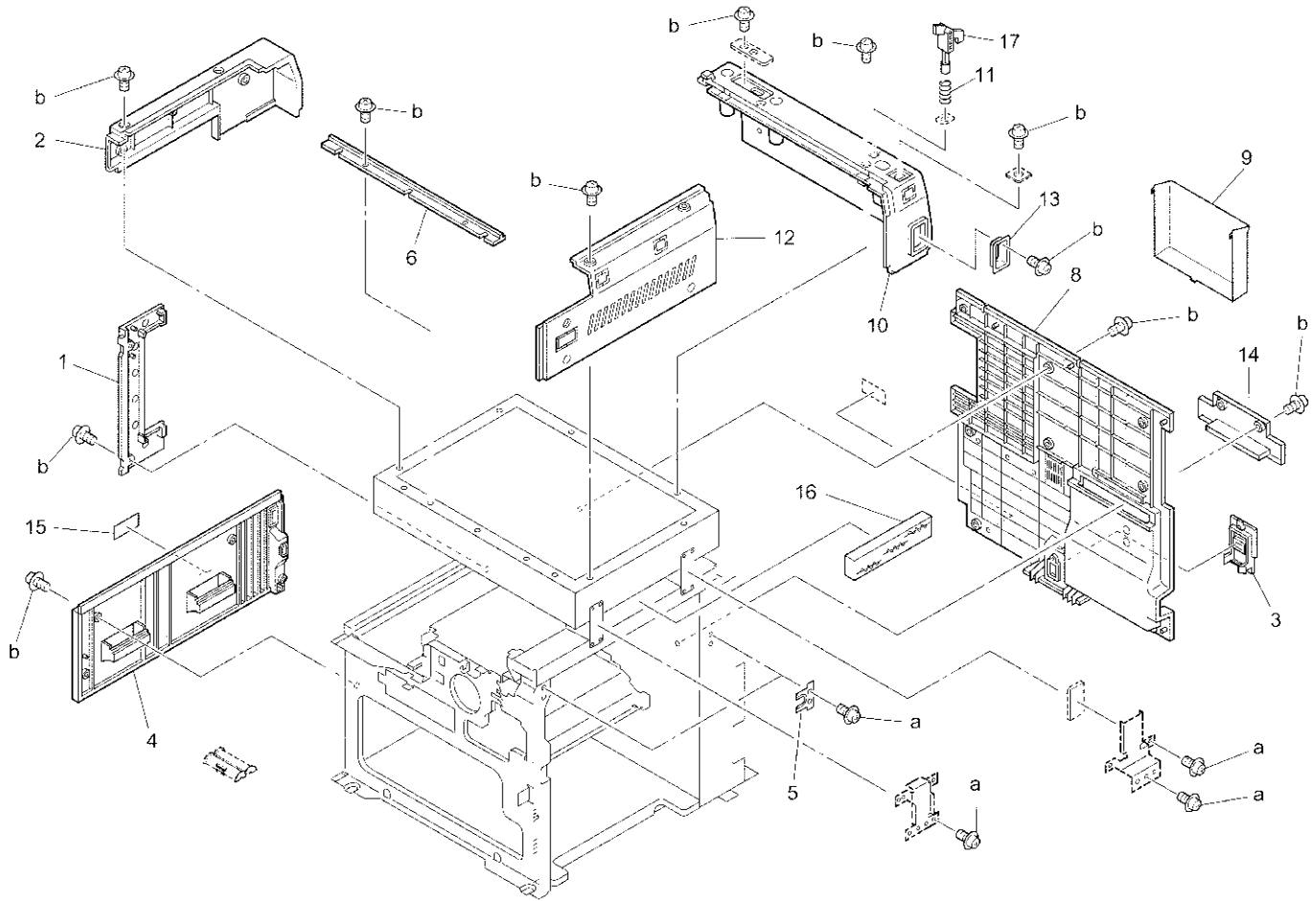
External Parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA12021	Main cover/upper
2	26NA12040	Side cover/rear
3	26NA12120	Main auxiliary cover
4	26NA12111	Paper exit tray
5	083020140	Stopper part
6	26NE97181	Laser caution label/3
7	26NA12401	Magnet pressure plate
8	26NE12081	Front door/right
9	26NA12011	Main cover/front
10	26NE97820	Toner supply caution label
11	26NA51010	Conveyance guide sheet
12	26NA12430	External fixed screw
13	26NA12031	Rear cover/right
14	26NA-1311	Paper exit cover assembly
15	26YE12130	Front cover/upper
16	26NA12460	Cover/F
17	26NA12063	Paper exit guide cover
18	26NE88310	Total counter
19	26NA97830	Toner supply label/2
20	26NA97040	Toner supply label
21	26NE97140	High voltage caution label

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z193061
c	00Z193062
d	00Z243081
e	00Z283061

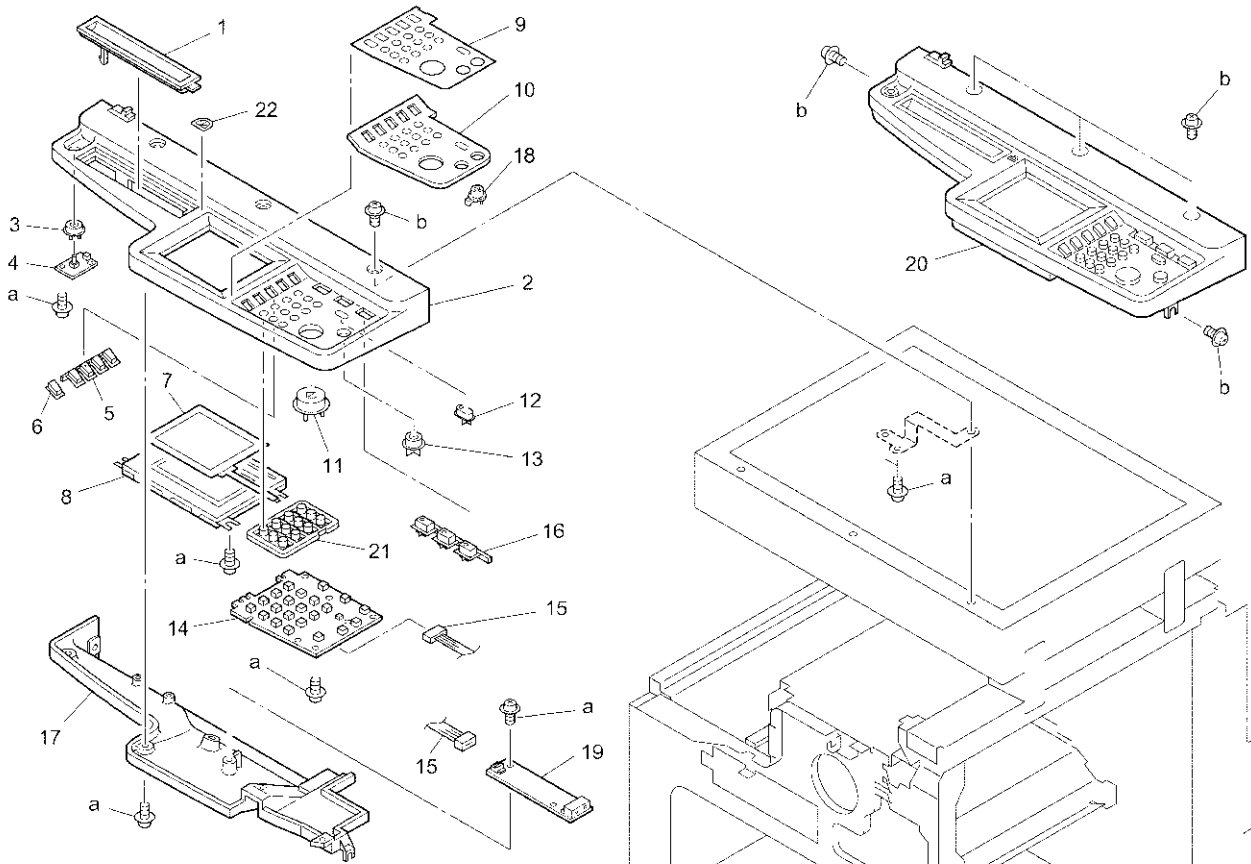
External Parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12161	Rear cover/left
2	26NA12240	Reading cover/left
3	26NA12190	Cord cover/B
4	26TA12050	Side cover/left
5	26NA12420	Shaft guide cover
6	26NA12210	Reading cover/front
7	26NA12550	Spring regulating sheet
8	40LA-1320	Rear cover assembly
9	26NA12540	Accessories holding panel
10	26NA12231	Reading cover/rear
11	26NA62130	Detecting spring
12	26NA-1260	Reading/right external assembly
13	26NA12450	Cord cover/B
14	26NA12180	Cord cover/A
15	26NA97080	Laser indication label
16	26TA10170	Ozone filter
17	26NA61820	ADF detecting actuator

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z193062

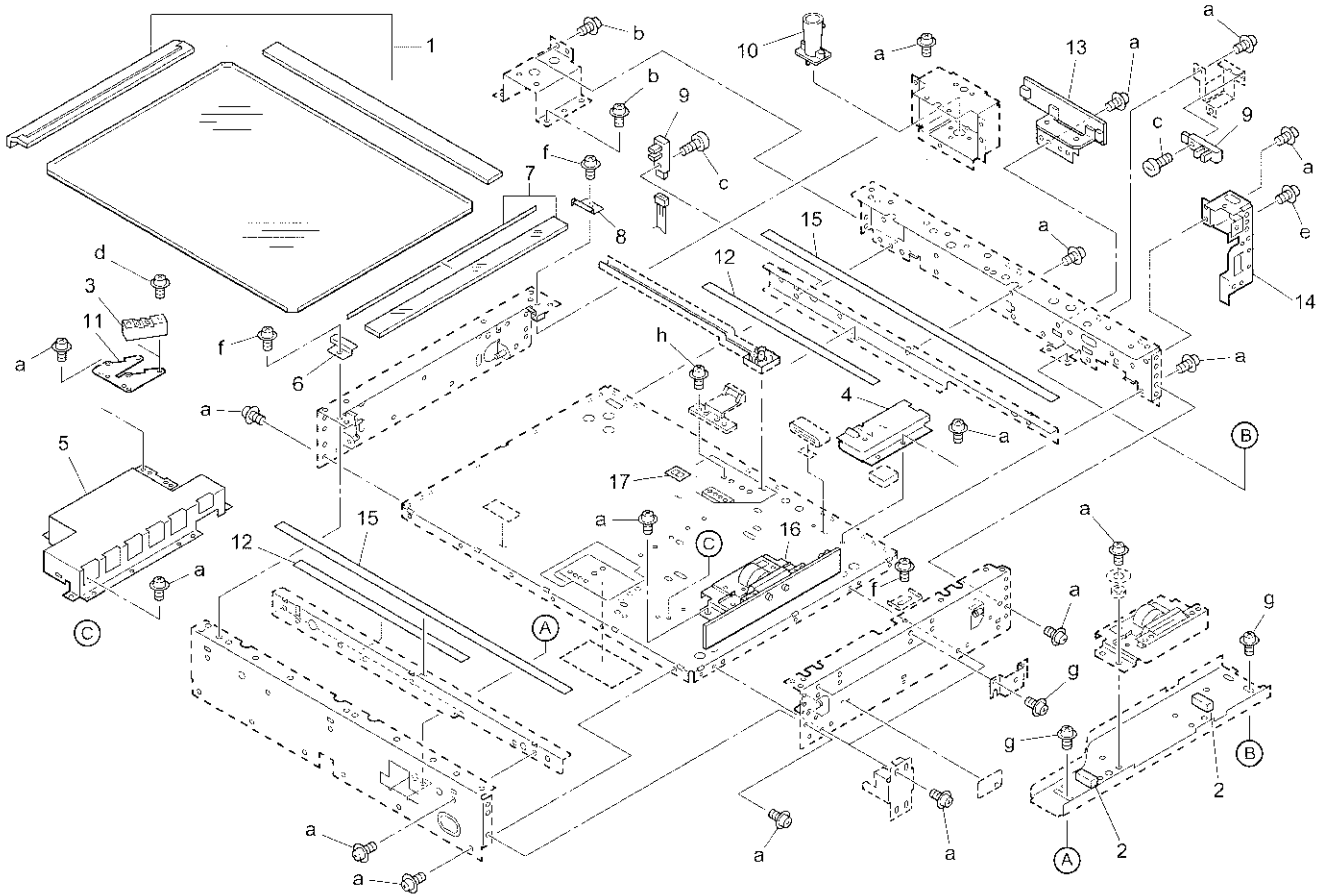
Operation Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA12370	Operation tray
2	26NA70023	Operation unit cover/upper
3	26NA70181	Operation unit button/H
4	26NA-9060	Power source control switch
5	26NA70161	Operation unit button/F
6	26NA70172	Operation unit button/G
7	26NA87520	Touch key board
8	55FA-7020	Indication board assembly
9	26WE70041	Operation unit sheet
10	26WA70030	Operation unit cover
11	26NA70112	Operation unit button/A
12	26NA70131	Operation unit button/C
13	26NA70121	Operation unit button/B
14	26WA-9030	Operation board/1 assembly
15	26WA90160	Operation wiring/2
16	26NA70151	Operation unit button/E
17	26NA12220	Operation cover/lower
18	26WA70190	Operation unit button/I
19	26WA83520	Indication lighting
20	26WE-7001	Operation unit
21	26NA70141	Operation unit button/D
22	26NA97130	Machine label/3

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z193062

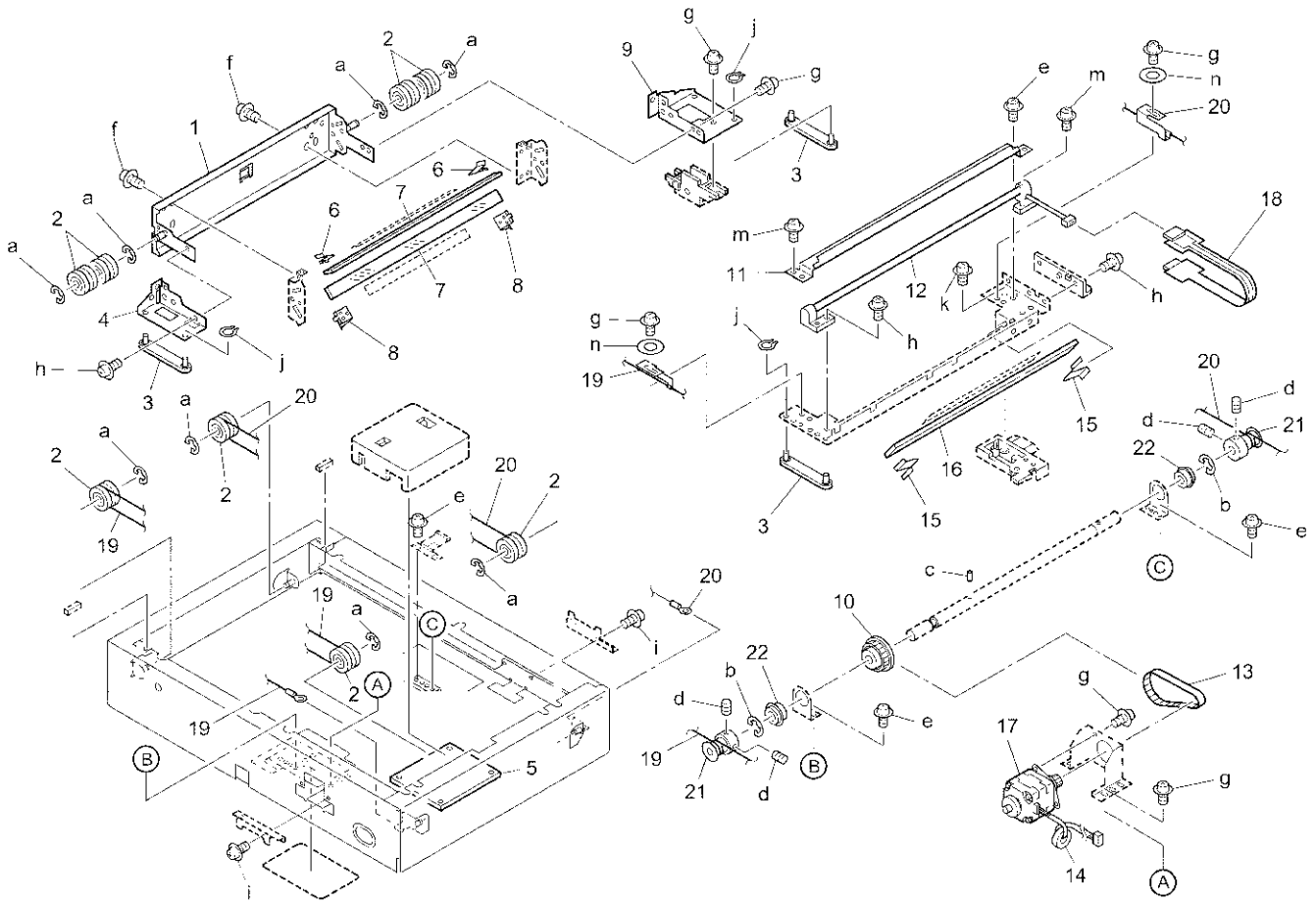
Optics Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-6273	Platen glass assembly
2	26NA62451	Ground spring/3
3	56AA85530	APS sensor/2
4	26NA61811	Wiring guide plate/1
5	26NA61731	Lens cover
6	26NA61300	Glass holder plate/front
7	40LA-6280	Platen glass assembly/2
8	26NA61150	Glass holder plate/rear
9	56AA85510	Photosensor
10	26NA62050	ADF guide block
11	26NA61142	Mounting plate
12	26NA61840	Optics slide sheet/2
13	26NA-6220	Board mount plate/2 assembly
14	26NA61120	ADF mount plate/right
15	26NA61830	Optics slide sheet/1
16	26TA-6261	CCD unit
17	26NE97140	High voltage caution label

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z283061
c	00Z183101
d	00Z183201
e	00Z253061
f	00Z193043
g	00Z163081
h	00Z193041

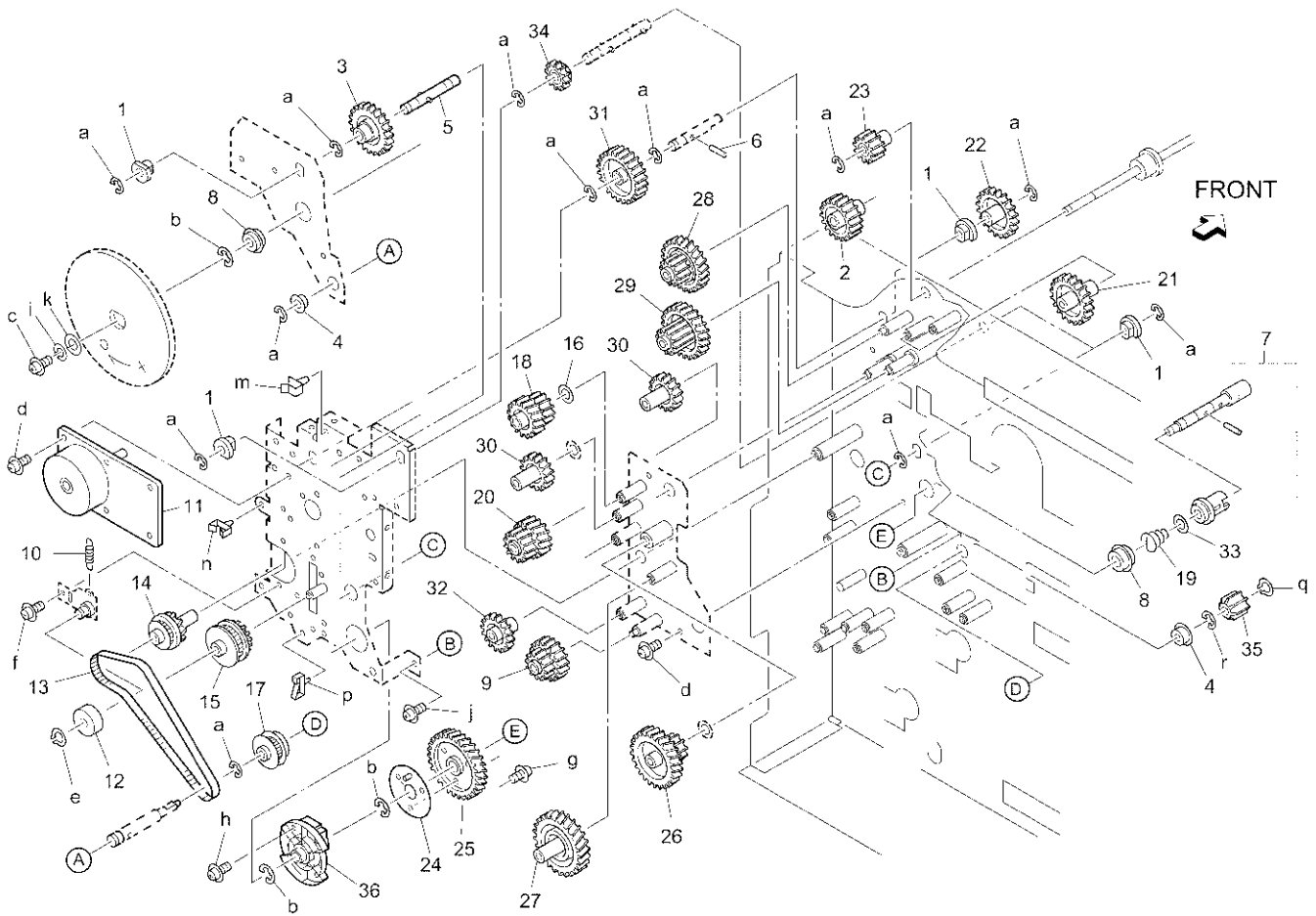
Optics Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-6192	Mirror mount plate/2 assembly
2	26NA61940	Wire pulley
3	26NA61380	Slide part
4	26NA61560	Optics slide plate/front
5	26WA-9050	Scanner driving board assembly
6	26NA61610	Mirror pressure spring/4
7	26NA61540	Optics mirror/2
8	26NA61600	Mirror pressure spring/3
9	26NA61551	Optics slide plate/rear
10	26TA61920	Driving pulley (Z=70)
11	26NA61370	Reflect mirror
12	26NA83010	Exposure lamp
13	26TA61930	Motor belt (L=160.5)
14	580388410	Ferrite core
15	26NA61410	Mirror pressure spring
16	26NA61340	Optics mirror/1
17	26TA80020	Scanner driving motor
18	26NA-9511	Powering board assembly
19	26NA61221	Optics wire/front
20	26NA61211	Optics wire/rear
21	26NA61200	Wire driving pulley
22	540076050	Driving shaft holder

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z713186
d	00Z474063
e	00Z193041
f	00Z183101
g	00Z163061
h	00Z163081
i	00Z193061
j	00Z660306
k	00Z253061
m	00Z183031
n	00Z610421

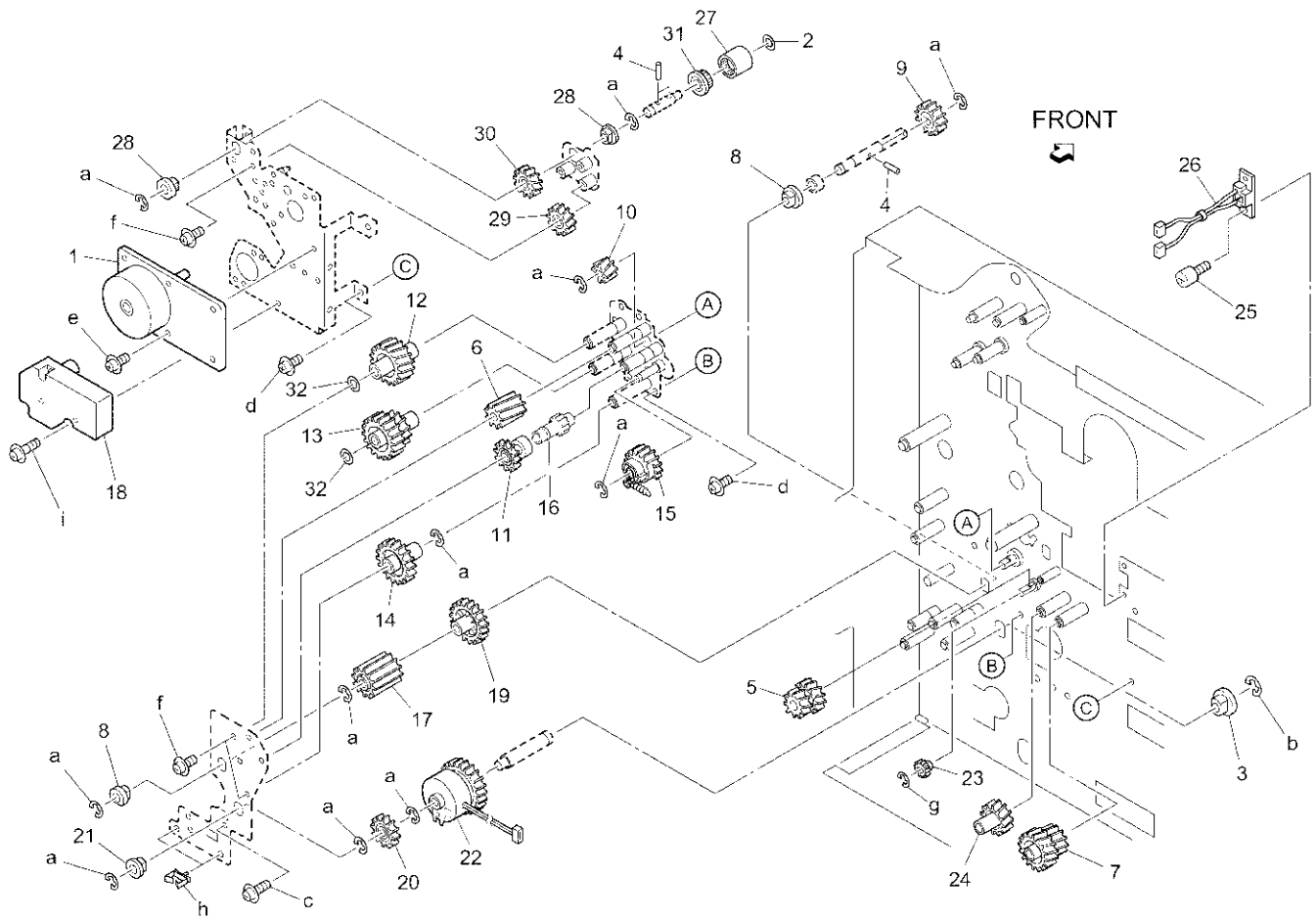
Driving Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	466076020	Paper feeding shaft holder
2	26NA16120	Idler gear/B (Z=43)
3	26NA15690	Collecting gear (Z=54)
4	26NA17280	Developing drive shaft holder
5	26NA-1540	Collecting shaft assembly
6	113620600	Pin (A)
7	26NA-1531	Drum input shaft assembly
8	26NA53590	Fixing shaft holder/lower
9	26NA16150	Idler gear/D (Z=27/45)
10	26NA17270	Tension spring
11	26TA80010	Drum driving motor
12	26NA17610	Tension roller
13	26TA17141	Belt (L=380)
14	26NA15550	Gear/F (Z=32/34)
15	26NA15680	Gear/Q (Z=23/23)
16	190041410	Polyslider
17	26TA15750	Agitating gear/A (Z=45)
18	26NA15520	Gear/C (Z=32/50)
19	26NA15200	Coupling spring
20	26NA15540	Gear/E (Z=32/35)
21	26NA17250	Gear/X (Z=45)
22	26TA15730	Gear/J (Z=35)
23	26NA15740	Paper exit gear (Z=26)
24	26NA-1560	Drive plate assembly
25	26NA15600	Drum driving gear (Z=108)
26	26NA15500	Gear/A (Z=26/97)
27	26NA15510	Gear/B (Z=97)
28	26NA15760	Gear/R (Z=21/50)
29	26NA15560	Gear/G (Z=24/49)
30	26NA15630	Gear/M (Z=34)
31	26NA15580	Gear/H (Z=55)
32	26NA16140	Idler gear/C (Z=35)
33	26NA30870	Spring spacer
34	26TA15080	Gear/D (Z=26)
35	26NA17580	Agitating coupling/B
36	26NA-1570	Dumper plate assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z184081
d	00Z193043
e	00Z680806
f	00Z163061
g	00Z193041
h	00Z253081
i	00Z620401
j	00Z193061
k	00Z610401
m	00Z926903
n	00Z921302
p	00Z921941
q	00Z600306
r	00Z670306

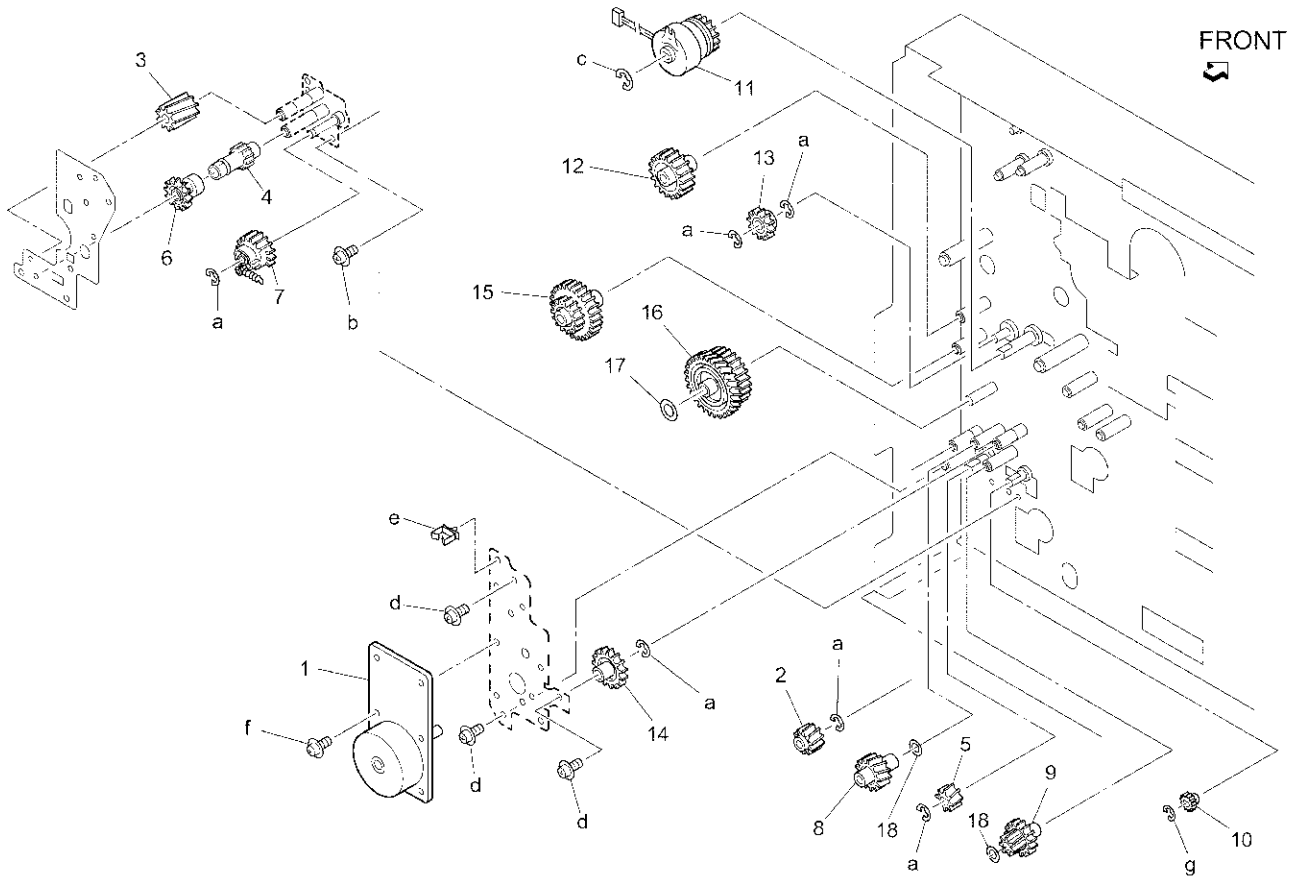
Driving Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA80011	DC brushless motor/20
2	26NA17590	Spacer/B
3	26NA40820	Paper feed slide shaft holder
4	113620600	Pin (A)
5	26NA17060	Developing drive gear/3 (Z=25/28)
6	26NA16270	Idler gear/L (Z=16)
7	26NA17040	Developing drive gear/1 (Z=23/52)
8	26NA76010	Paper feed shaft holder
9	26NA17600	Manual feed driving gear/2
10	26NA16260	Driving gear (Z=15)
11	26NA17480	Paper feed coupling gear/A (Z=25)
12	26NA16301	Idler gear/O (Z=35)
13	26NA16211	Idler gear/G (Z=21/35)
14	26NA16200	Idler gear/F (Z=41)
15	26NA-1680	Paper feed gear/2 assembly
16	26NA17490	Paper feed coupling gear/B (Z=20)
17	26NA16160	Manual feed driving gear/1 (Z=25)
18	26NA80041	Cassette driving motor
19	26NA16170	Idler gear/E (Z=45)
20	26NA16190	Gear (Z=25)
21	684276031	Paper exit shaft holder
22	26NA82020	Paper feed clutch
23	26NA16310	Paper feed gear (Z=20)
24	26NA17050	Developing drive gear/2 (Z=27)
25	066079020	Drawer
26	26TA90340	Developing relay wiring
27	26NA17570	Developing input coupling/B
28	322076010	Paper lift-up lever shaft holder
29	26NA17550	Developing drive gear/7 (Z=39)
30	26NA17540	Developing drive gear/6 (Z=32)
31	26NA17560	Developing input coupling/A
32	40LA17400	Driving spacer/1

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z193181
d	00Z283061
e	00Z193043
f	00Z193061
g	00Z670306
h	00Z921322
i	00Z193121

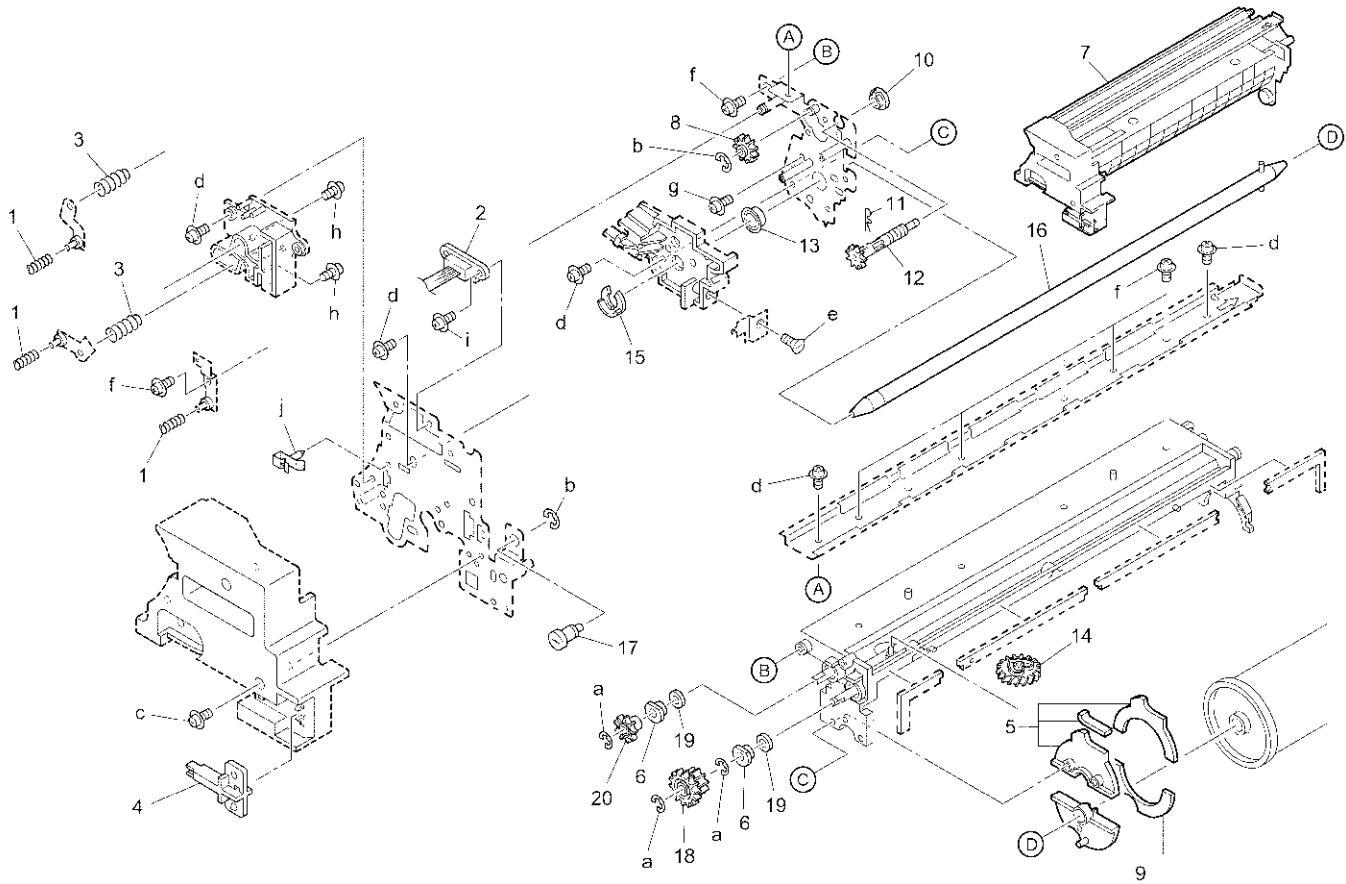
Driving Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA80011	DC brushless motor/20
2	26NA16250	Idler gear/K (Z=20)
3	26NA16270	Idler gear/L (Z=16)
4	26NA17490	Paper feed coupling gear/B (Z=20)
5	26NA16260	Driving gear (Z=15)
6	26NA17480	Paper feed coupling gear/A (Z=25)
7	26NA-1690	Paper feed gear/3 assembly
8	26NA16241	Idler gear/J (Z=25)
9	26NA16231	Idler gear/I (Z=15/25)
10	26NA16310	Paper feed gear (Z=20)
11	26NA82010	Registration unit clutch
12	26NA16120	Idler gear/B (Z=43)
13	26NA16130	Clutch gear/1 (Z=27)
14	26NA16220	Idler gear/H (Z=33)
15	26NA16110	Idler gear/A (Z=27/54)
16	26NA17260	Paper feed driving gear (Z=52/97)
17	190041410	Polyslider
18	40LA17400	Driving spacer/1

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z283061
c	00Z670506
d	00Z193061
e	00Z921322
f	00Z193043
g	00Z670306

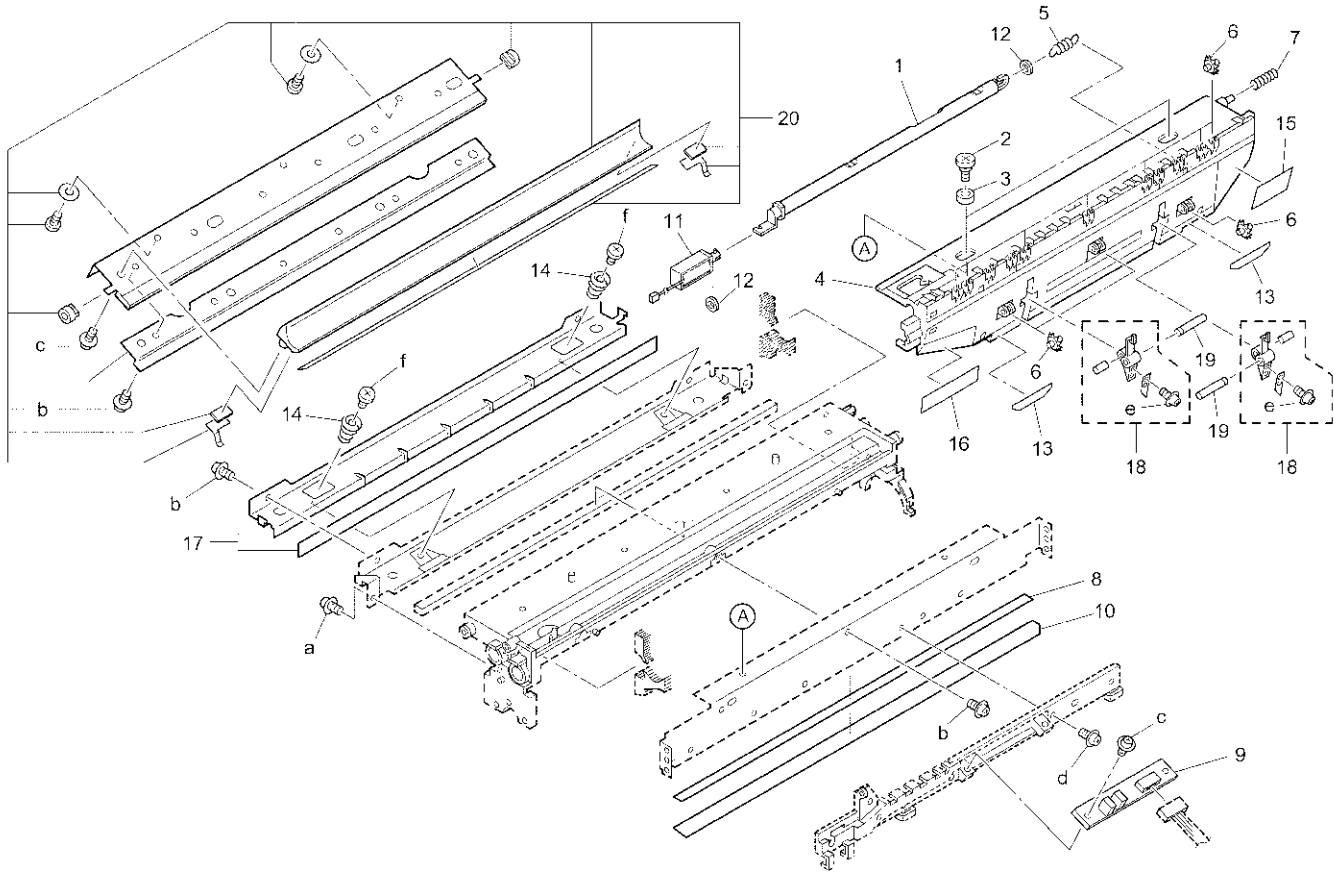
Drum Cartridge



REF. NO.	PART NUMBER	DESCRIPTION
1	392045260	Electrode connecting spring (B)
2	26TA90070	Drum wiring
3	40AA73191	Charging input spring
4	26NA21340	Drum rotary part
5	26NA-2110	Blade seal block/F assembly
6	26NA20140	Screw shaft holder
7	26WA-9900	Drum unit assembly
8	26NA20420	Idler gear (Z=25)
9	26NA-2290	Blade seal block/1 assembly
10	26NA20380	Rocking shaft holder
11	26NA20920	Shaft fixed part
12	26NA20570	Separation rocking gear (Z=18)
13	26NA21360	Drum support shaft holder
14	26NA20580	Separation rocking cam
15	26NA20940	Drum support part
16	26NA-2140	Drum shaft assembly
17	26NA21440	Cartridge screw
18	26NA20170	Agitating gear (Z=19/30)
19	26NA20710	Felt/A
20	26NA20160	Screw gear (Z=24)

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193043
d	00Z193061
e	00Z263081
f	00Z253081
g	00Z253121
h	00Z183061
i	00Z193081
j	00Z921913

Drum Cartridge



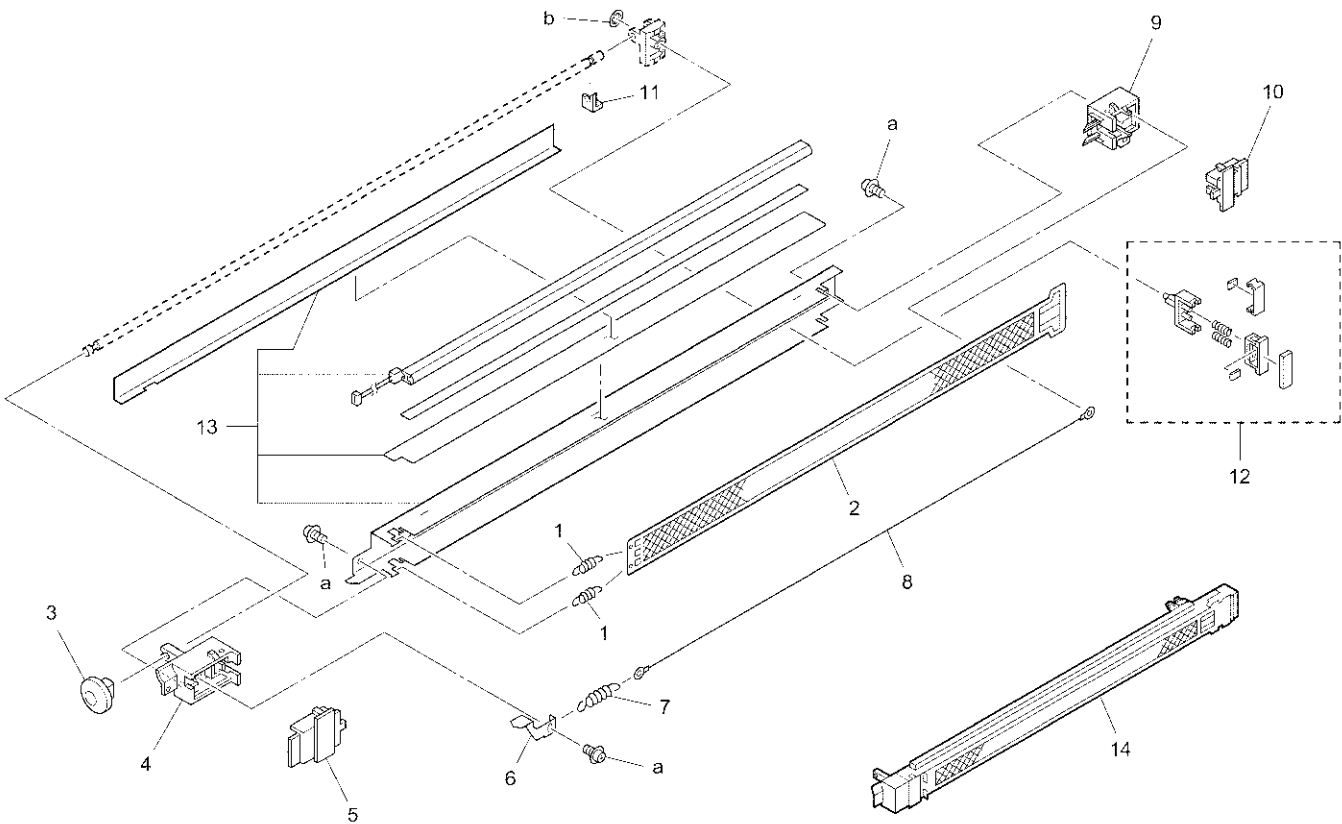
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA20270	Separate release lever
2	26NA20310	Separate rocking screw
3	26NA20300	Separate rocking collar
4	26NA20241	Separate guide plate
5	40AA20230	Separate release spring
6	26TA20320	Separate auxiliary roller
7	26NA20290	Separate rocking spring
8	26NA21330	Mounting sheet/B
9	26NA-9180	Toner detecting board assembly
10	26NA20200	Toner guide sheet
11	26NA-2260	Separate solenoid assembly
12	26NA21380	Solenoid seal
13	26NA21400	Paper guide sheet/A
14	26TA20190	Blade pressure spring
15	26NA21420	Paper guide sheet/C
16	26NA21430	Paper guide sheet/D
17	26TA-2240	Spewing preventive plate/A assembly
18	26NA-2180	Separate claw assembly
19	40AA20170	Separation fulcrum shaft
20	26TA-2090	Cleaning blade assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193043
b	00Z193061
c	00Z253081
d	00Z193041
e	00Z242061
f	00Z183061

REF. NO.	PART NUMBER	DESCRIPTION
1	26TA21470	Toner conveyance gear/2 (Z=18)
2	26TA21480	Toner conveyance gear/3 (Z=16)
3	26NA20220	Cleaner collect seal
4	26NA20140	Screw shaft holder
5	26NA20560	Toner collect coupling
6	26NA21160	Shaft holder spacer
7	26NA21280	Screw shaft holder/B
8	26NA20250	Shaft holder fulcrum part
9	26NA20480	Drum shaft holder/F
10	26TA21611	Spewing PV sheet/B
11	26TA-2271	Collect cover/C assembly
12	26NA20870	Cleaner auxiliary part
13	26TA21540	Recycling shaft holder
14	26TA21490	Toner conveyance gear/4 (Z=13)
15	26TA21460	Toner conveyance gear/1 (Z=19)
16	26TA21510	Agitator plate/A
17	26TA-2050	Screw guide/Rear assembly
18	26NA-2120	Blade seal block/R assembly
19	26NA-2300	Blade seal block/1 assembly
20	26NA20070	Toner collecting screw
21	26NA20552	Toner agitate shaft

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670206
c	00Z112021
d	00Z193061
e	00Z163061
f	00Z253101
g	00Z253121
h	00Z600306
i	00Z670256
j	00Z253081

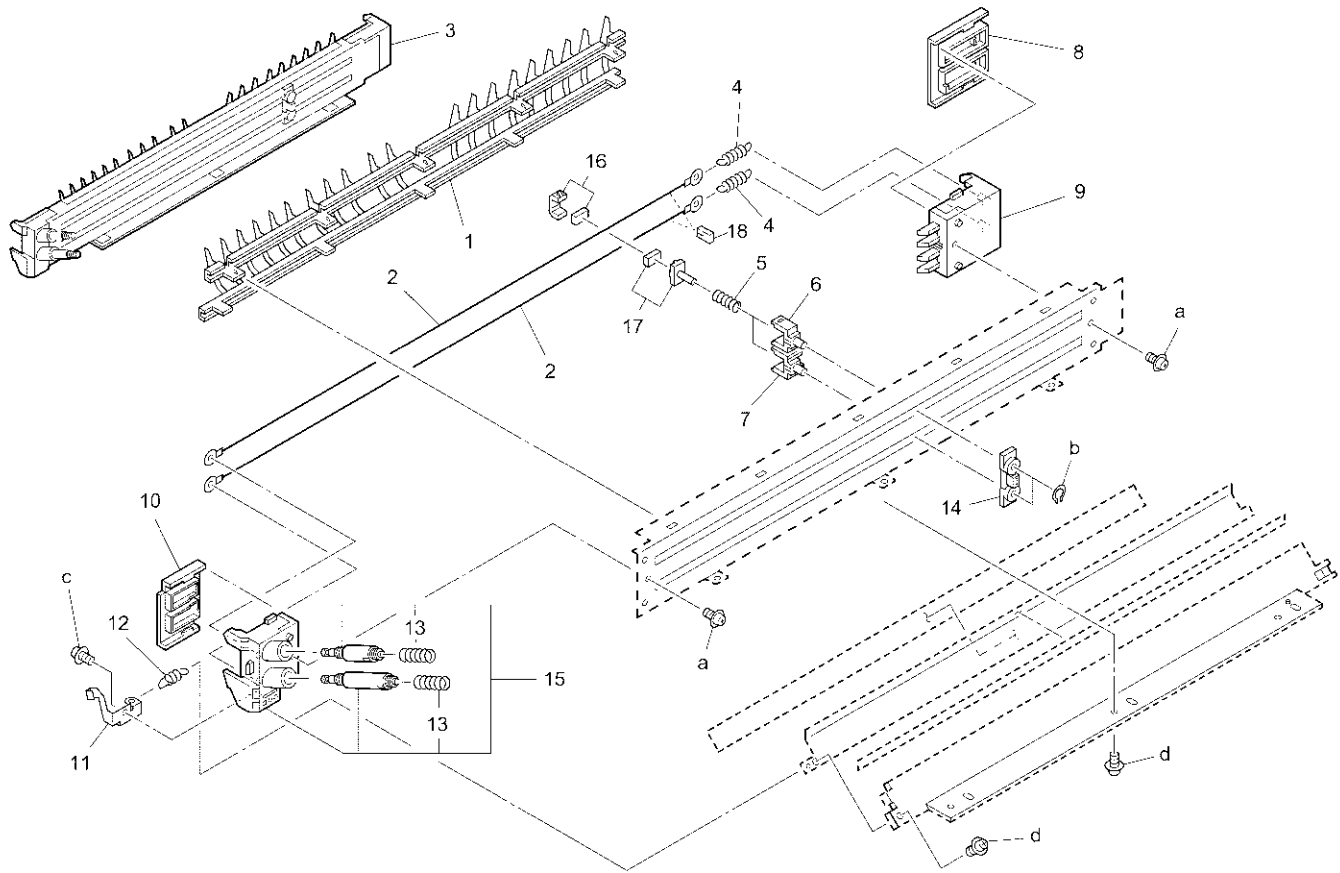
Charging Corona Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA25180	Charging spring
2	26NA25160	Charging control plate
3	540025121	Charging cleaning knob
4	26NA25020	Charging block/front
5	26NA25040	Spark arrester preventive plate/front
6	26NA25070	Charging electrode plate
7	26NA25170	Wire tension spring
8	26NA25060	Charging wire
9	26NA25012	Charging block/rear
10	26NA25051	Spark arrester preventive plate/rear
11	25HA25100	Shaft stopper part
12	26NA-2520	Charging cleaning assembly
13	26NA-2510	Charging discharge plate assembly
14	26WA-2501	Charging corona unit

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253061
b	00Z660306

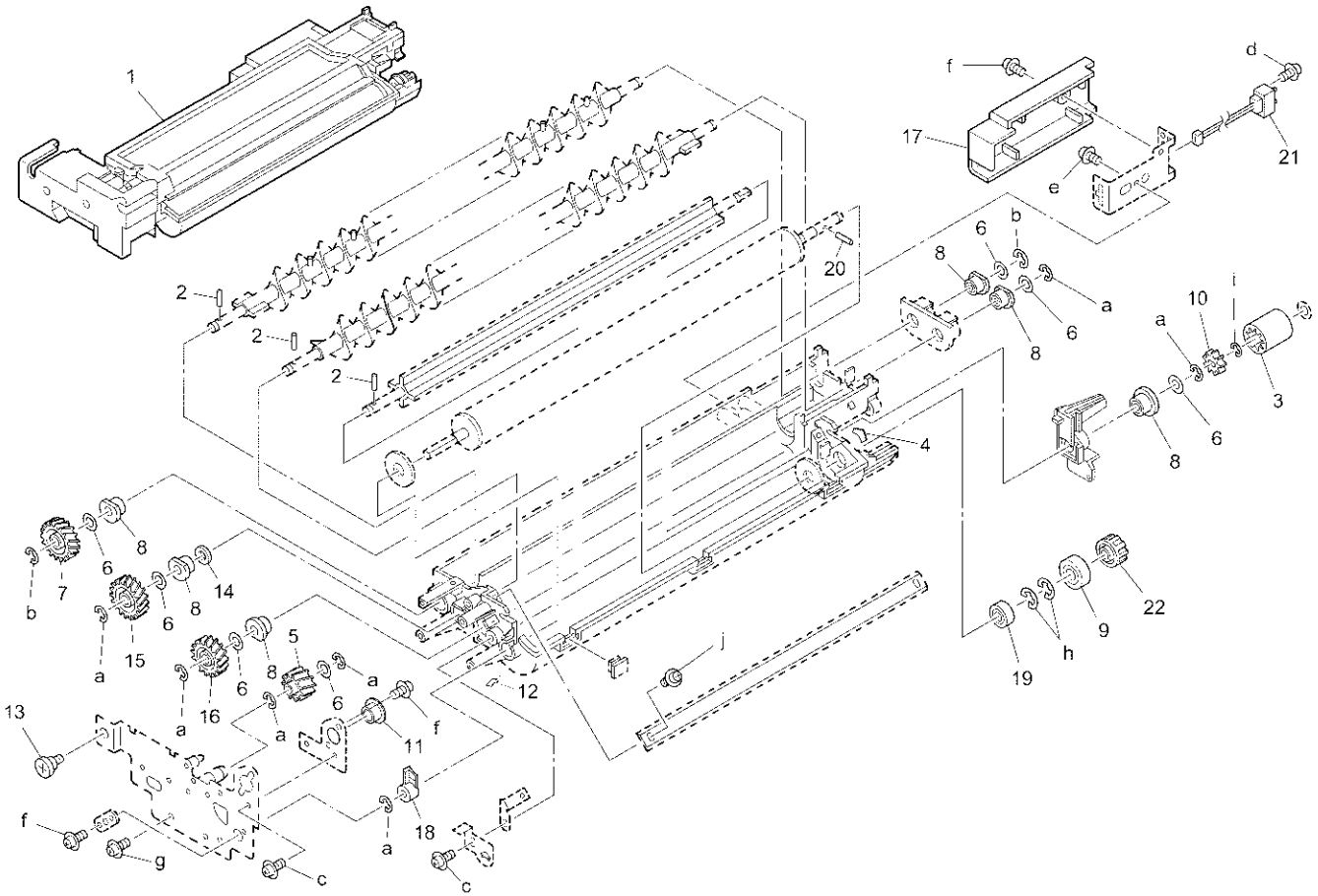
Transfer/Separator Corona Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA26190	Separate bridge
2	26NA26080	Discharge wire
3	26NA-2602	Transfer separator corona unit
4	26NA26230	Wire tension spring
5	26NA25130	Cleaner pressure spring
6	26NA26271	Transfer cleaning part/E
7	26NA26151	Transfer cleaning part/B
8	26NA26070	Spark arrester preventive plate/rear
9	26NA26041	Transfer separator block/rear
10	26NA26060	Spark arrester preventive plate/front
11	26NA26250	Electrode plate
12	26NA26260	Electrode spring
13	26NA73251	Electrode connecting spring/A
14	26NA26141	Transfer cleaning part/A
15	26NA-2620	Transfer separator block/front
16	26NA-2640	Cleaner cover assembly
17	26NA-2630	Cleaner shaft assembly
18	56AA17830	Transfer holding rubber

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z600406
c	00Z24B061
d	00Z112031

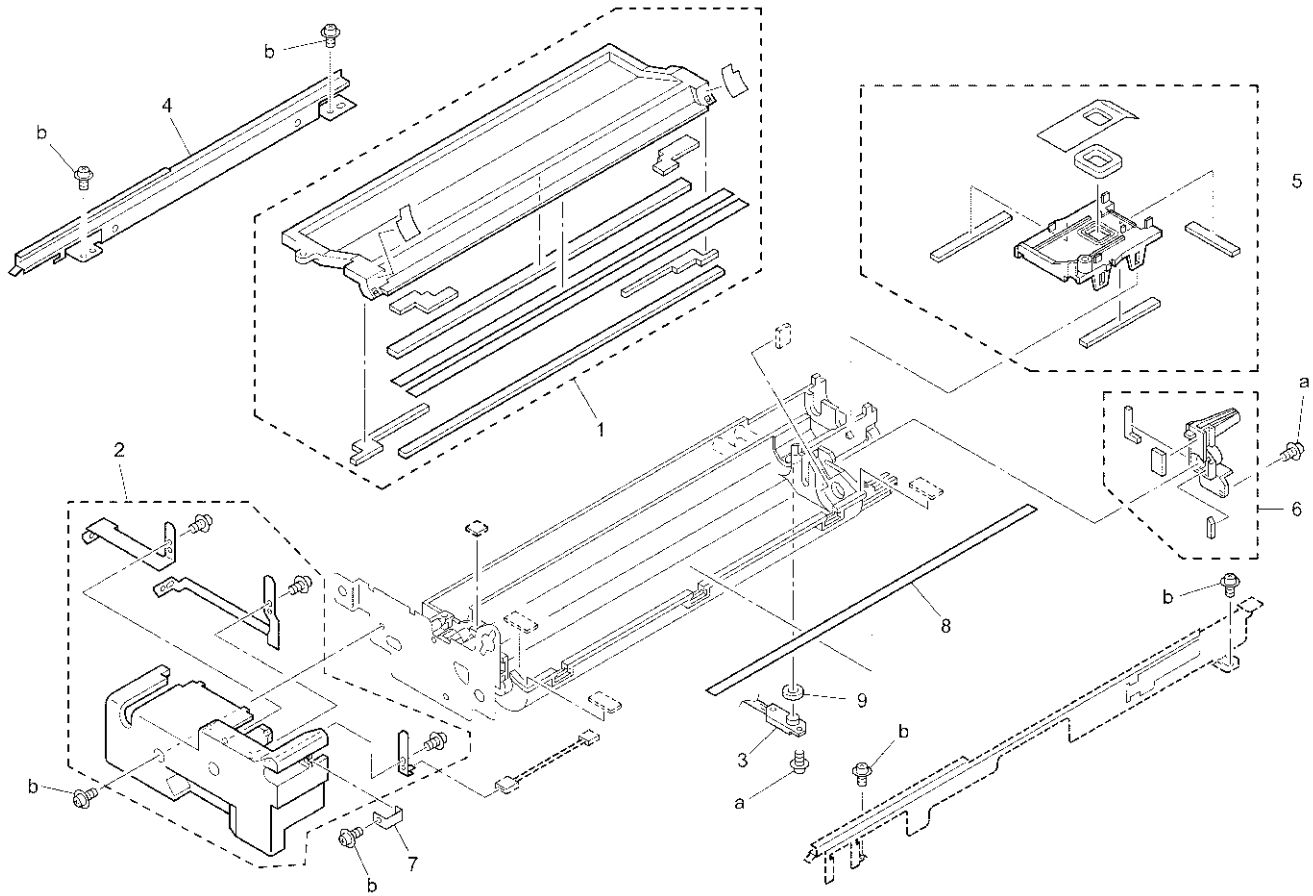
Developing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3001	Developing unit
2	466078010	Pin (A)
3	26NA30950	Agitate coupling/A
4	26NA30990	Developing seal/U
5	26NA30170	Idler gear (Z=19)
6	26NA30850	Shaft holder spacer
7	26NA30810	Developing gear/C (Z=27)
8	26NA30770	Developing shaft holder
9	26NA30660	Developing guide shaft holder
10	26NA30730	Agitate coupling
11	26NA21360	Drum support shaft holder
12	26NA30980	Developing seal/T
13	26NA31010	Positioning screw
14	26NA30940	Developing seal/S
15	26NA30150	Agitate gear/B (Z=27)
16	26NA30140	Agitate gear/A (Z=27)
17	26NA30490	Developing electrode cover
18	26NA30630	Developing shaft holder/front
19	26NA30650	Developing shaft holder/rear
20	113620600	Pin (A)
21	26TA90250	Development wiring
22	26NA30700	Developing gear

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670506
c	00Z163061
d	00Z183061
e	00Z253061
f	00Z193061
g	00Z253081
h	00Z670606
i	00Z670306
j	00Z163081

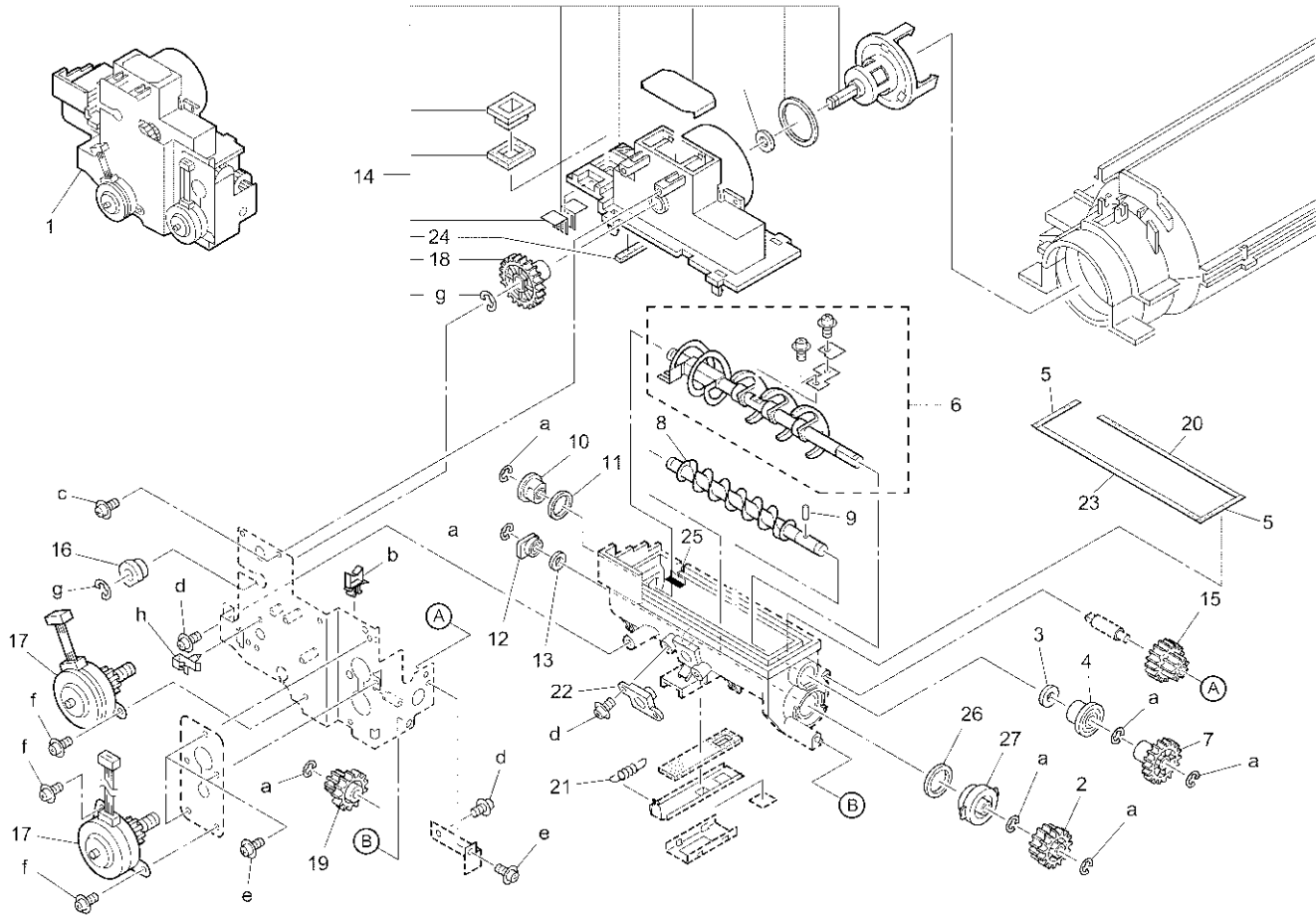
Developing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3061	Developing cover assembly
2	26NA-3040	Developing cover assembly
3	26NA88040	Toner density sensor
4	26NA30740	Developing rail/left
5	26NA-3050	Developing cover part/A assembly
6	26NA-3020	Developing cover part/C assembly
7	26NA30930	Developing support stopper
8	26NA30440	Spewing preventive sheet/2
9	029420640	L detecting seal

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253061
b	00Z193061

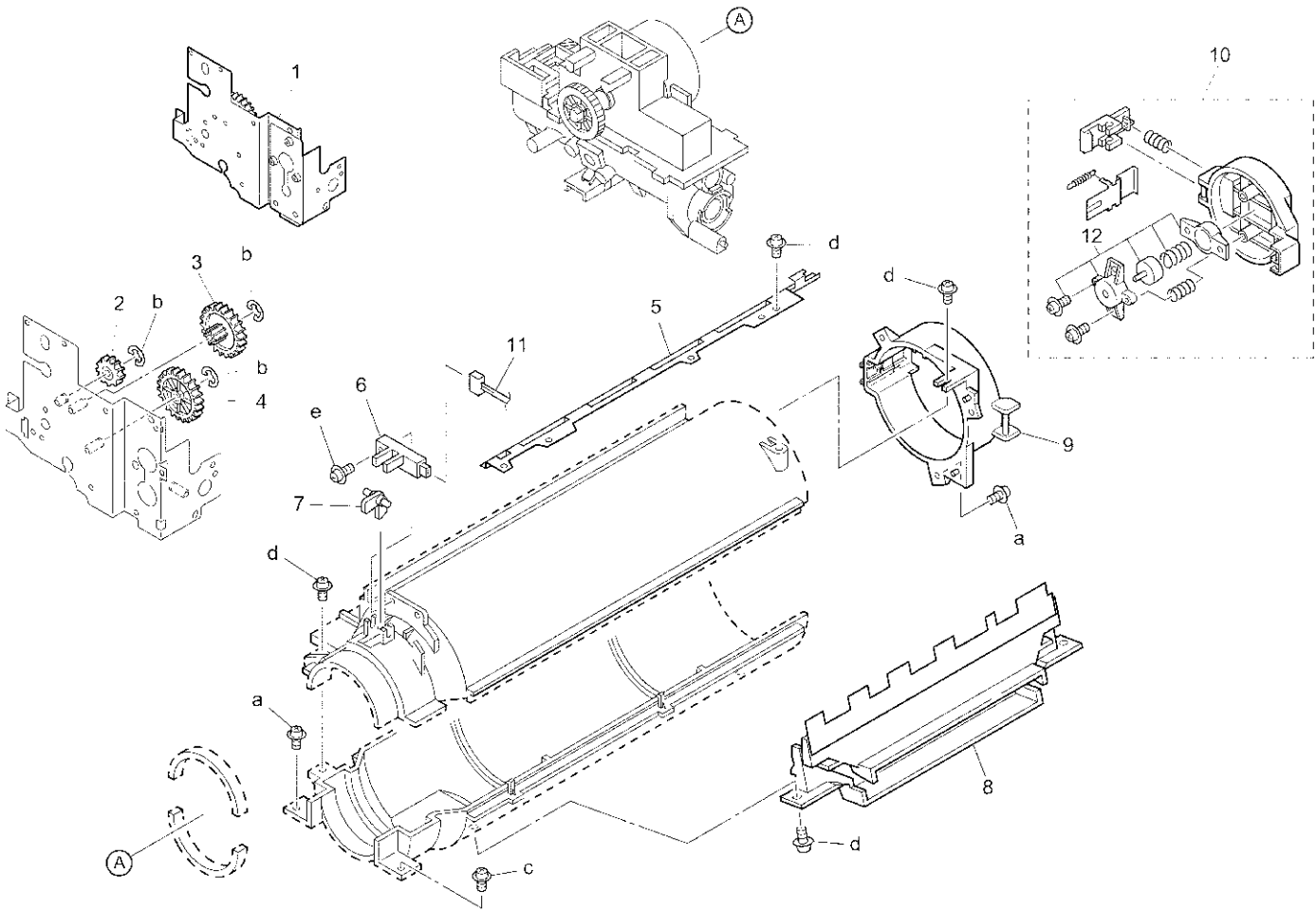
Toner Supply Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26WA-3200	Toner supply unit
2	26WA32510	Toner conveyance gear/1 (Z=23/24)
3	26NA32960	Felt/C
4	25HA32152	Toner conveyance shaft holder/A
5	26NA32930	Toner supply seal/3
6	26WA-3250	Agitate screw assembly
7	26WA32530	Toner conveyance gear/4 (Z=30)
8	26NA32040	Toner supply screw
9	26NA32970	Pin
10	26NA32540	Toner agitate shaft holder
11	26NA32280	Screw seal part/upper
12	26NA32550	Toner agitate shaft holder/rig
13	26NA32200	Screw seal part/lower
14	26NA-3221	Toner supply base/upper assembly
15	26WA32520	Toner conveyance gear/3 (Z=17/23)
16	26NA32660	Toner supply shaft holder
17	26NA80060	Toner supply motor
18	26NA32590	Toner supply regulating gear (Z=42)
19	26NA32680	Toner conveyance gear/5 (Z=16/23)
20	26NA32920	Toner supply seal/2
21	26NA32090	Toner supply open-close spring
22	40AA88030	Remained detecting sensor
23	26NA32910	Toner supply seal/1
24	26NA32940	Toner supply seal/4
25	26TA33010	Toner agitate sheet/front
26	26NA32270	Screw seal part/middle
27	26NA32560	Toner agitate shaft holder/left

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z921301
c	00Z283061
d	00Z253081
e	00Z193041
f	00Z143041
g	00Z670506
h	00Z921941

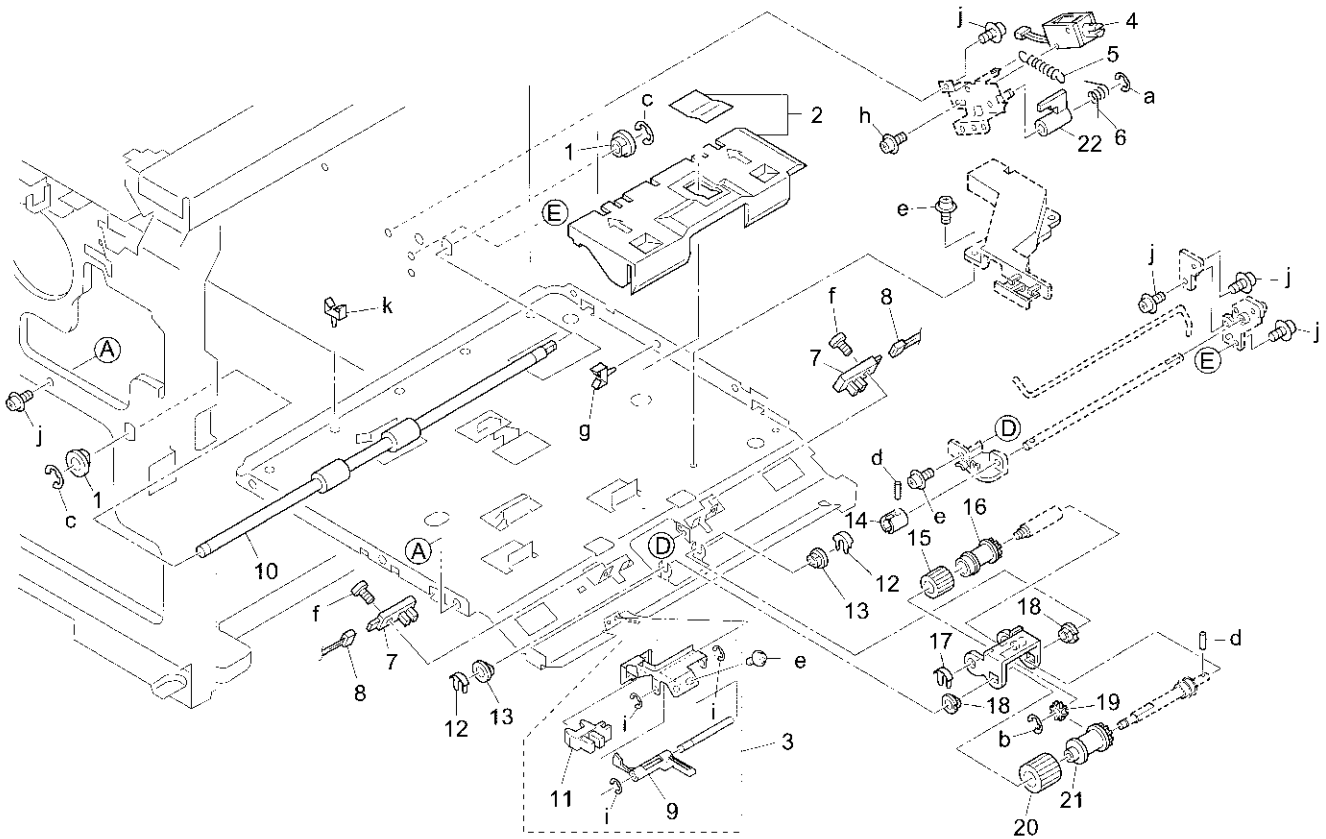
Toner Supply Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-3230	Toner supply driving assembly
2	26TA32580	Toner supply regulating gear (Z=18)
3	26TA32640	Toner supply gear/2 (Z=16/51)
4	26TA32610	Toner supply gear/1 (Z=23/51)
5	26NA10350	Rail/left
6	56AA85510	Photosensor
7	26NA32230	Detecting actuator/A
8	26NE-7620	Cooling cover/E assembly
9	26YE-3340	Toner supply guide part assembly
10	26TA-3320	Toner cartridge pressure assembly
11	26WA90330	Wiring/3
12	26TA-3330	Pressure assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z283061
b	00Z670406
c	00Z194061
d	00Z253081
e	00Z253141

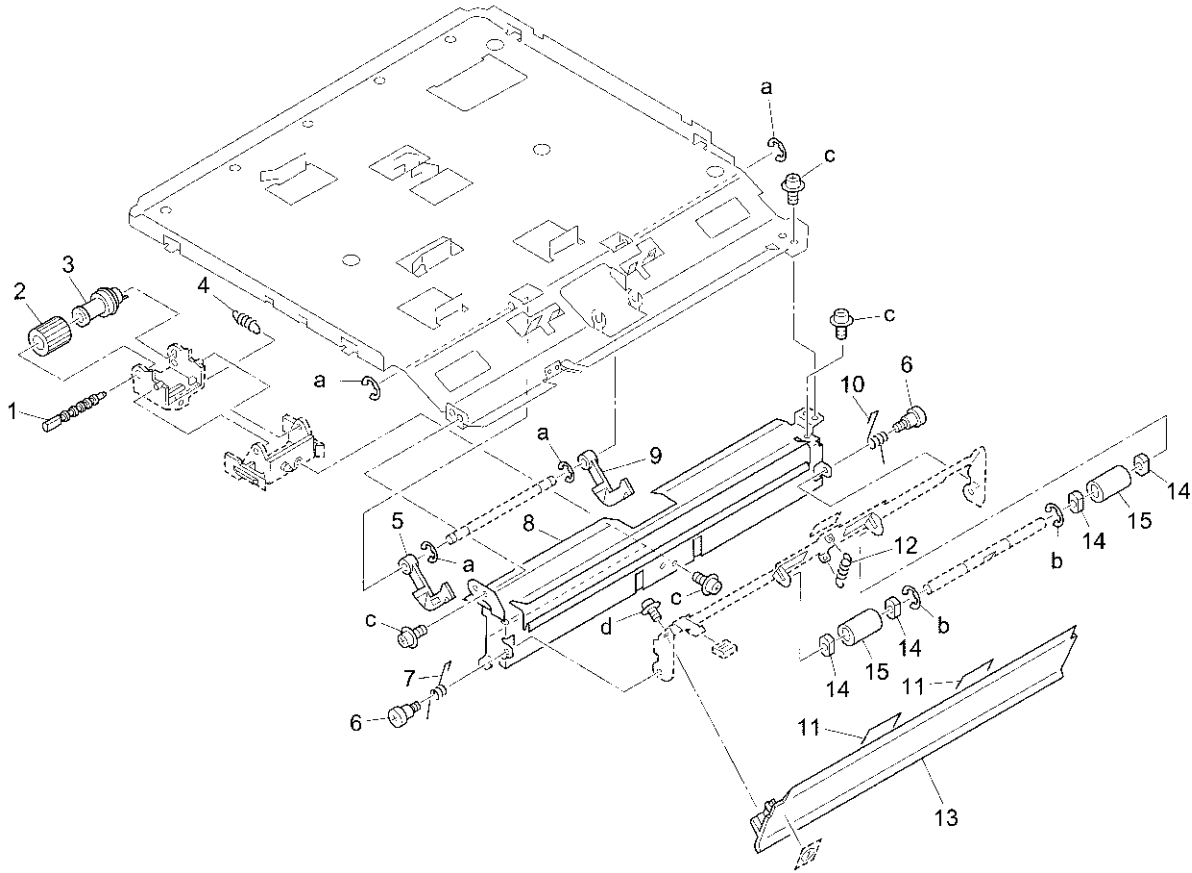
Paper Feed Unit (Upper)



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA40820	Paper feed slide shaft holder
2	26PA-4141	Toner cover assembly
3	26XA-4050	Sensor mounting plate/upper assembly
4	26NA82511	Paper feed solenoid
5	26NA40810	Paper feeding spring
6	26NA40760	Lever hold spring
7	56AA85510	Photosensor
8	26XA90120	Paper feed wiring/upper
9	26XA40920	Paper detecting actuator
10	26WA40230	Paper feed connecting roller/1
11	08AA85510	Photosensor
12	26NA40700	Shaft positioning part
13	540076010	Paper feed shaft holder
14	26NA40160	Driving coupling
15	26NA40090	Paper feeding rubber
16	26NA40080	Feeding roller
17	40AA40150	Shaft positioning part
18	40AA76040	Feeding shaft holder
19	26NA40510	Paper feed idler gear (Z=17)
20	26NA40110	Double feed preventive rubber/upper
21	26NA40101	Double feed preventive roller/upper
22	26NA40830	Positioning arm

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z712106
e	00Z193061
f	00Z193101
g	00Z921942
h	00Z163051
i	00Z670206
j	00Z283061
k	00Z921302

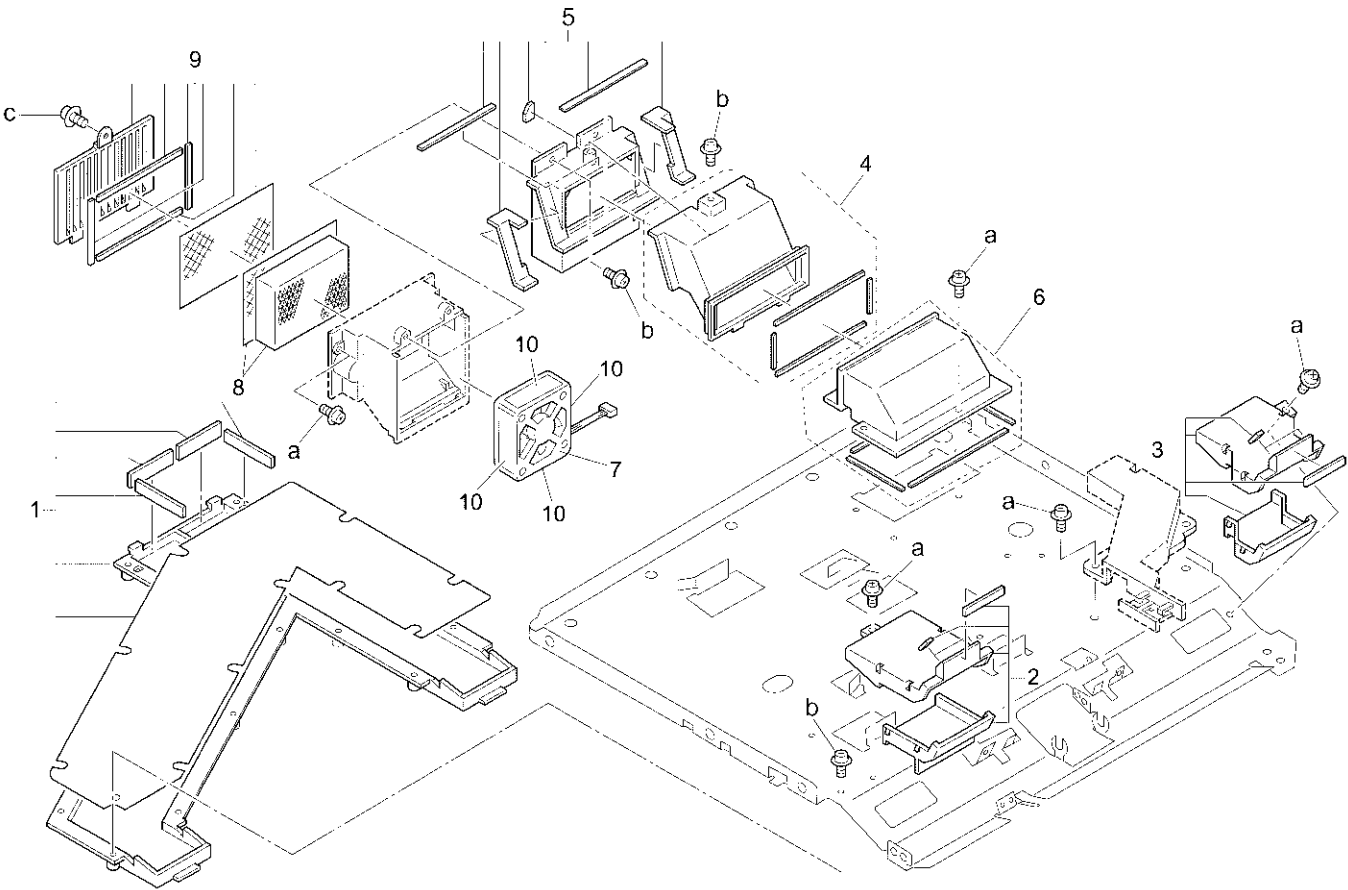
Paper Feed Unit (Upper)



REF. NO.	PART NUMBER	DESCRIPTION
1	40AA40181	Lever click shaft
2	26NA40120	Double feed preventive rubber/lower
3	26NA40500	Double feed preventive roller
4	40AA40450	Double feed pressure spring
5	26NA40281	Paper detecting actuator
6	066079020	Drawer
7	26NA40631	Paper feed pressure spring/front
8	26PA40031	Paper feed guide plate/upper
9	26NA40751	Paper detecting actuator/2
10	26NA40641	Paper feed pressure spring/rear
11	26NA40910	Paper feed guide sheet/A
12	26NA40261	Conveyance pressure spring
13	26NA40222	Paper feed auxiliary part
14	25AA75530	Slide shaft holder
15	26NA42560	Manual feed driven roller

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193061
d	00Z253081

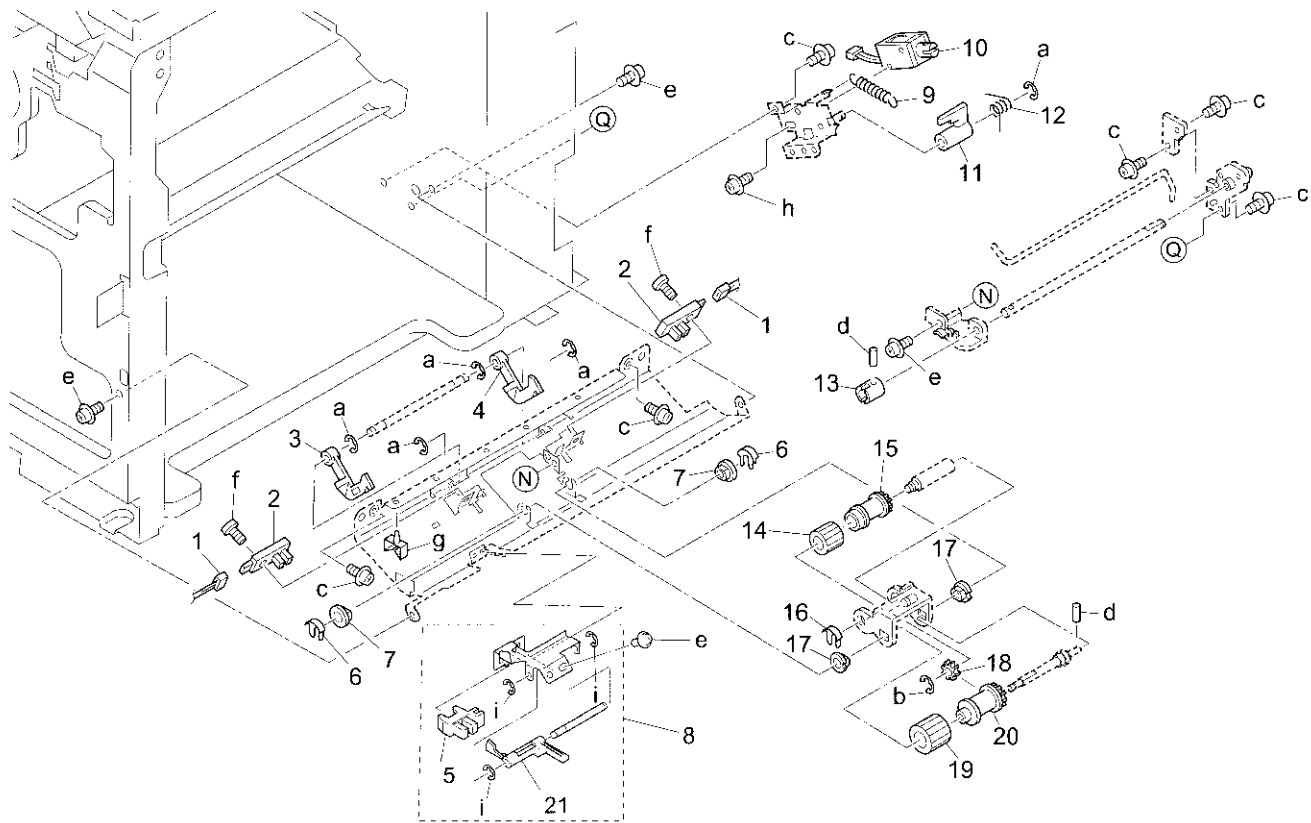
Suction Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	40LA-3160	Suction cover sticking assembly
2	40LA-3110	Suction cover/2 assembly
3	40LA-3120	Suction cover/3 assembly
4	40LA-3130	Suction cover/6 assembly
5	40LA-3150	Fan cover/2 assembly
6	40LA-3170	Suction cover/5 sticking assembly
7	26NA80510	Main fan motor
8	40LA-3180	Suction filter/A assembly
9	40LA-3140	Filter cover assembly
10	26NA73731	Dust proof seal/5

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z253081
c	00Z193062

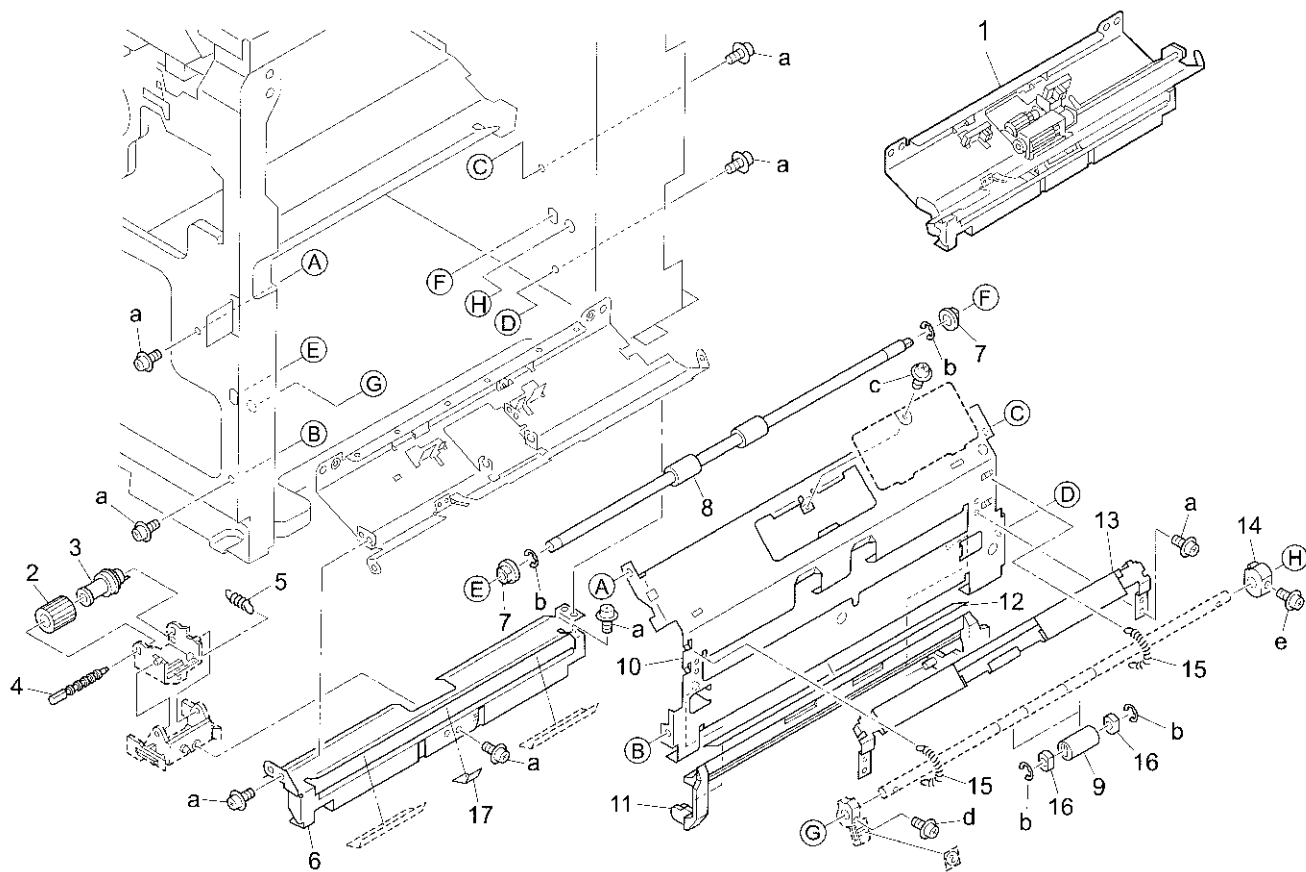
Paper Feed Unit (Lower)



REF. NO.	PART NUMBER	DESCRIPTION
1	26XA90130	Paper feed wiring/lower
2	56AA85510	Photosensor
3	26NA40281	Paper detecting actuator
4	26NA40751	Paper detecting actuator/2
5	08AA85510	Photosensor
6	26NA40700	Shaft positioning part
7	540076010	Paper feed shaft holder
8	26XA-4060	Sensor mounting plate/lower assembly
9	26NA40810	Paper feeding spring
10	26NA82511	Paper feed solenoid
11	26NA40830	Positioning arm
12	26NA40760	Lever hold spring
13	26NA40160	Driving coupling
14	26NA40090	Paper feeding rubber
15	26NA40080	Feeding roller
16	40AA40150	Shaft positioning part
17	40AA76040	Feeding shaft holder
18	26NA40510	Paper feed idler gear (Z=17)
19	26NA40110	Double feed preventive rubber/upper
20	26NA40101	Double feed preventive roller/upper
21	26XA40920	Paper detecting actuator

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z283061
d	00Z712106
e	00Z193061
f	00Z193101
g	00Z921942
h	00Z163051
i	00Z670206

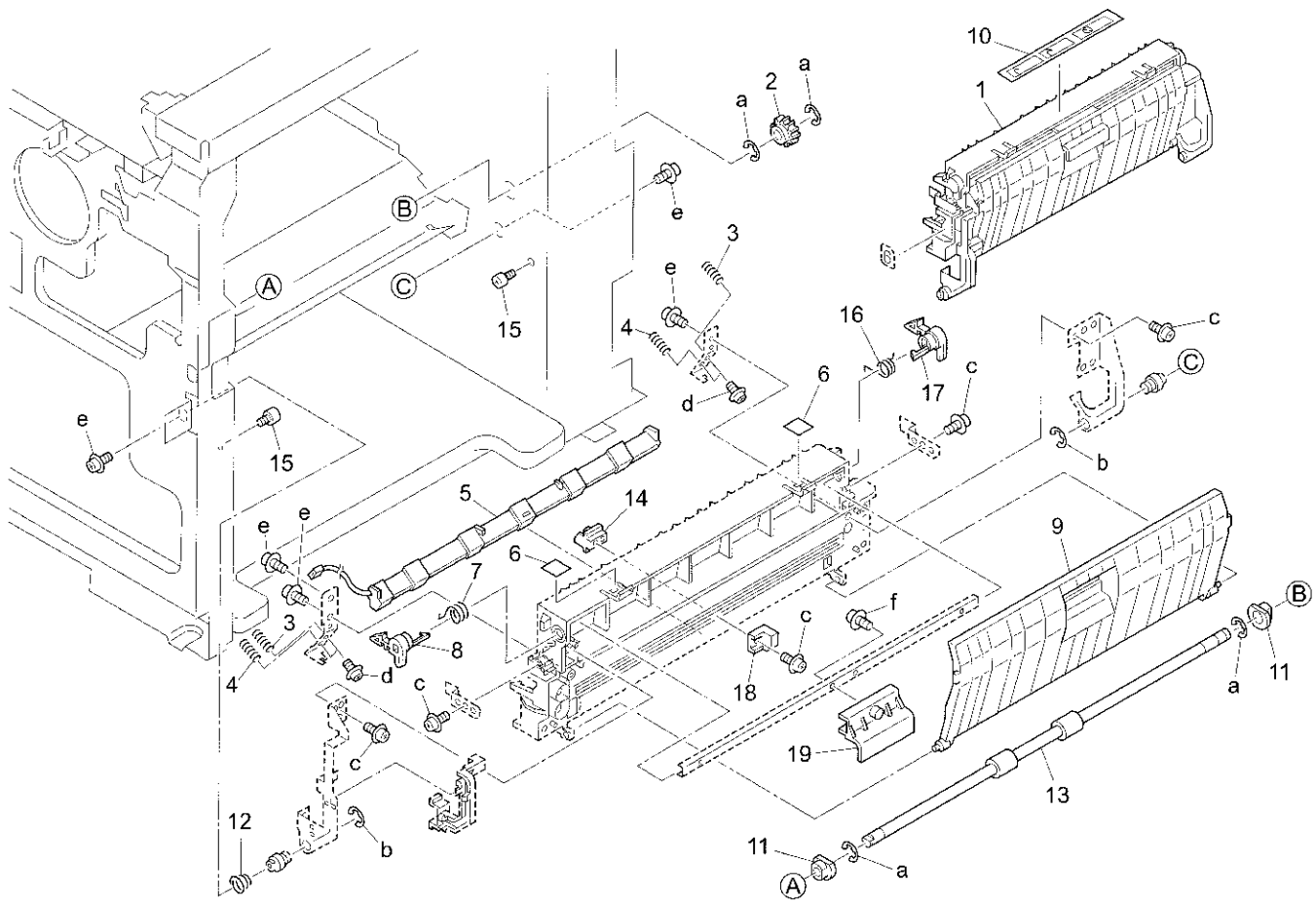
Paper Feed Unit (Lower)



REF. NO.	PART NUMBER	DESCRIPTION
1	26XA-4011	Paper feed lower assembly
2	26NA40120	Double feed preventive rubber/lower
3	26NA40500	Double feed preventive roller
4	40AA40181	Lever click shaft
5	40AA40450	Double feed pressure spring
6	26PA40741	Paper feed guide plate/lower
7	26NA40820	Paper feed slide shaft holder
8	26NA40671	Paper feed connecting roller/2
9	26NA40681	Paper feed driven roller/lower
10	26NA40191	Paper feed plate/right
11	26NA40270	Side guide plate
12	26NA50352	Guide sheet
13	26NA-4160	Paper feed enter plate assembly
14	26NA40880	Cam release part/rear
15	26NA40720	Paper feed conveyance spring
16	26NA40890	Slide shaft holder
17	40LA40970	Paper feed auxiliary sheet/middle

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z670606
c	00Z183061
d	00Z193141
e	00Z163121

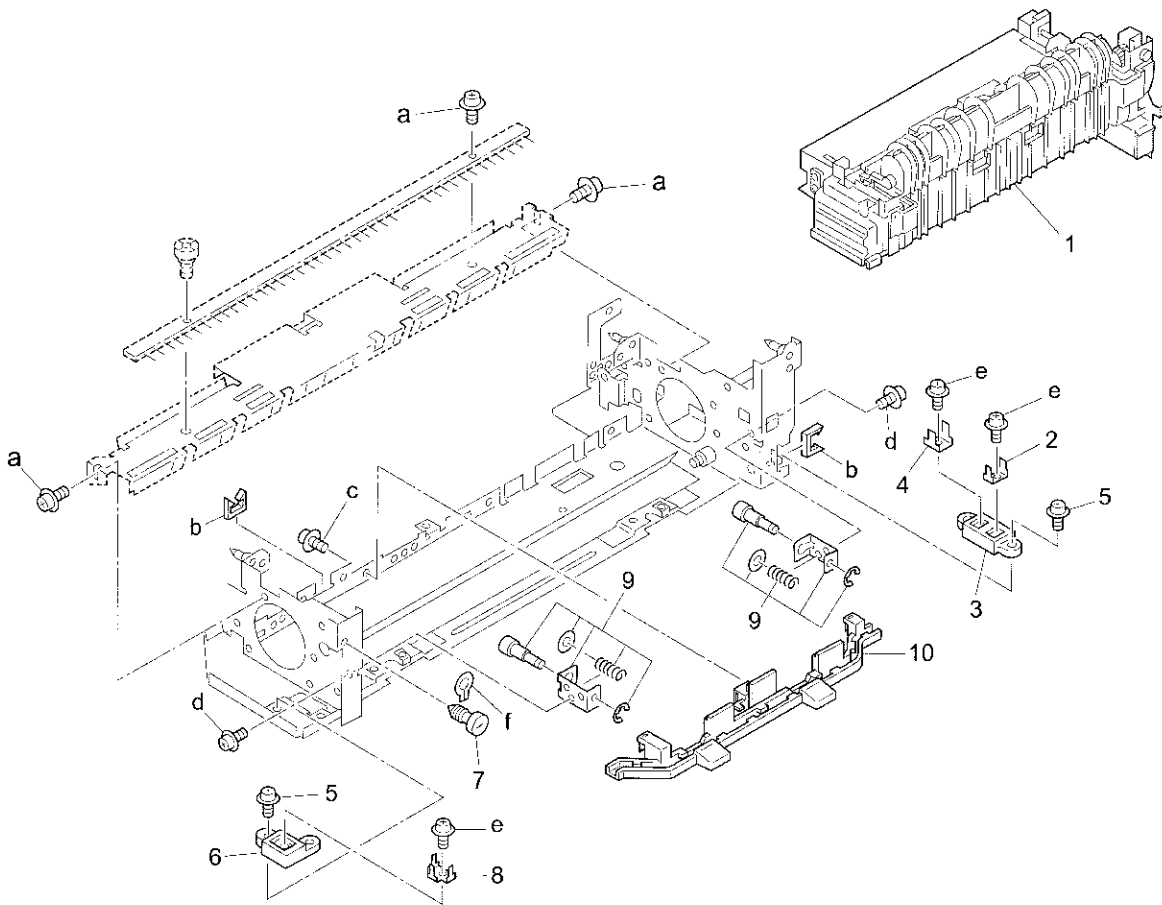
Conveyance Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4503	Conveyance unit
2	26NA16130	Clutch gear/1 (Z=27)
3	26NA45490	Lifting spring/2
4	26NA45071	Lift-up spring
5	26YA-4580	PTL light shield assembly
6	26NA97380	Open-close label/lower
7	26NA45330	Lock spring/2
8	26NA45220	Open-close lever
9	26NA45340	Conveyance guide part
10	26NA97491	Drum caution label
11	466076020	Paper feeding shaft holder
12	26NA45290	Ground spring
13	26NA45030	Conveyance roller
14	26NA45401	Guide part
15	26NA45430	Conveyance stopper
16	26NA45320	Lock spring/1
17	26NA45310	Open-close lever/2
18	26NA45410	Electrode cleaning knob
19	26NA45350	Conveyance knob

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z253081
d	00Z113041
e	00Z193061
f	00Z243061

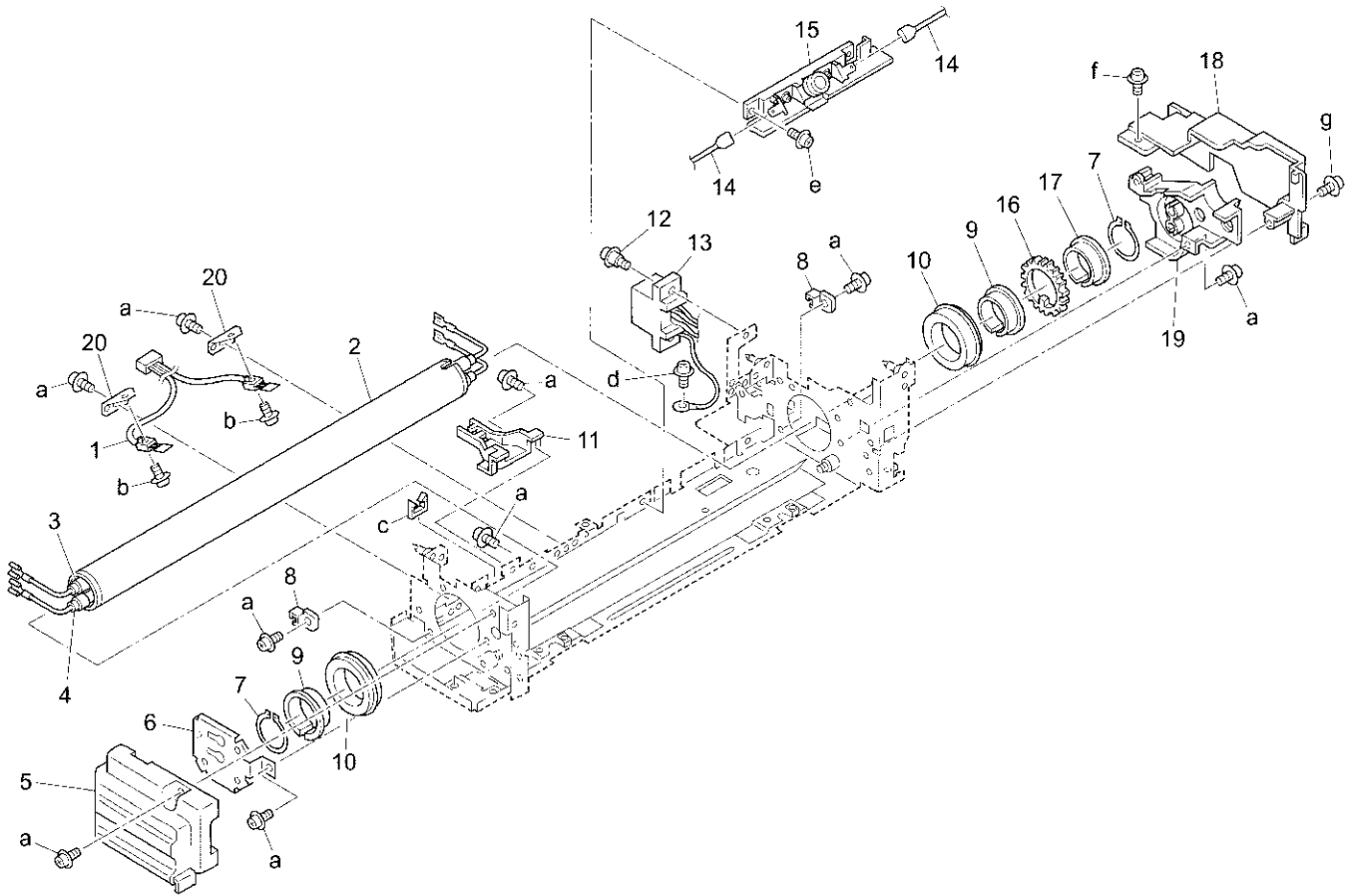
Fixing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26YE-5300	Fixing unit
2	40AA53470	Terminal plate/1
3	26NA53770	Terminal plate/A
4	26NA53740	Terminal plate/A
5	26NA54230	Terminal fixing screw
6	26NA53780	Terminal plate/B
7	26NA53931	Fixed screw
8	26NA54280	Terminal plate
9	26TA-5460	Pressure spring assembly
10	40LA54050	Wiring guide part/B

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z163061
b	00Z921330
c	00Z193041
d	00Z183031
e	00Z153061
f	00Z600406

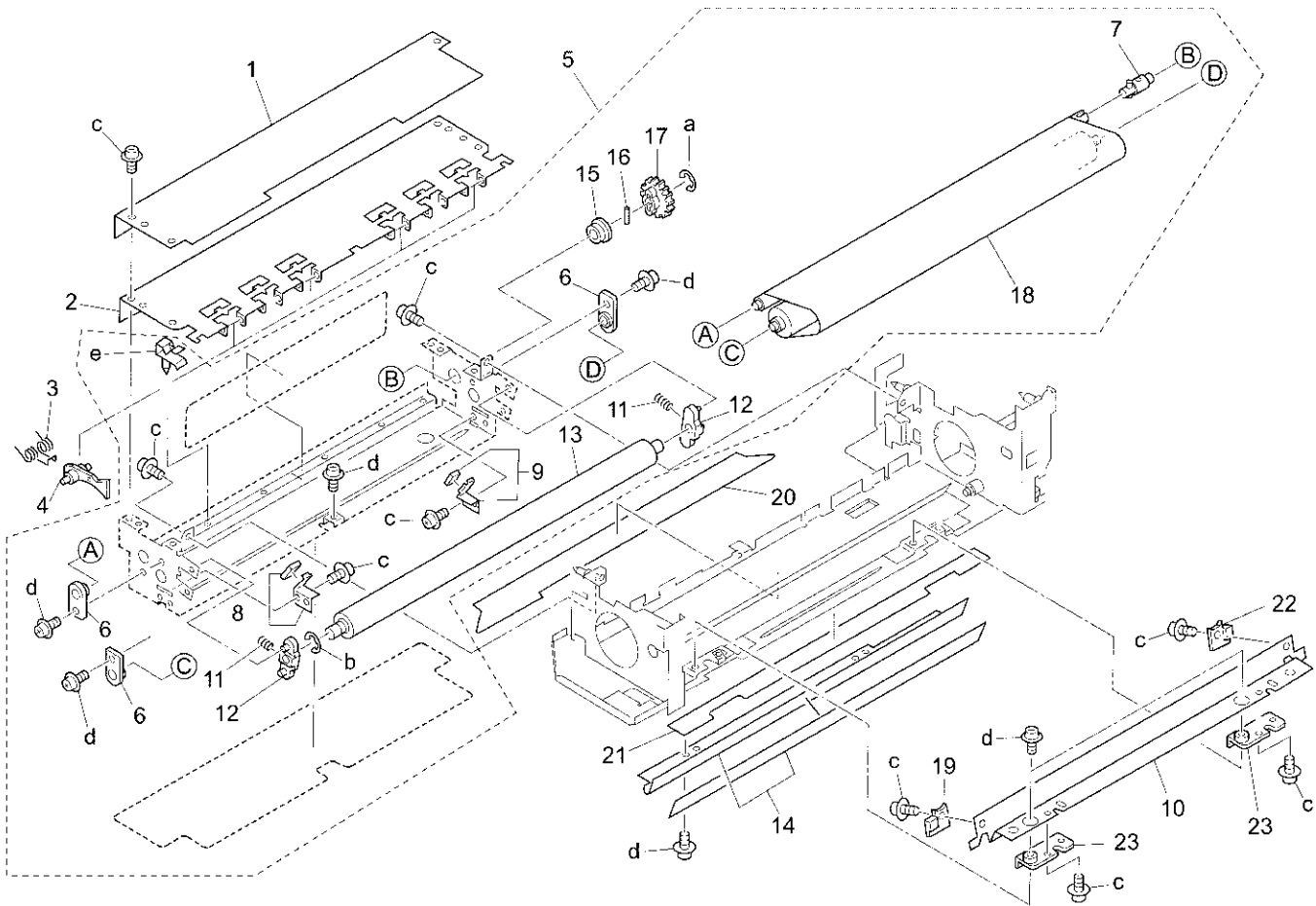
Fixing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA88011	Fixing sensor
2	26YF53030	Fixing roller/upper
3	26NE83020	Fixing heater/1
4	26NE83030	Fixing heater/2
5	26NA53401	Fixing cover/front
6	26NA53890	Lamp support part/front
7	26NA53620	Fixing fixed part
8	26NA53211	Wiring guide part/A
9	26NA53720	Heat insulating sleeve/A
10	26NA53710	Fixing shaft holder/upper
11	26TA54150	Wiring guide part/C
12	26NA54030	Mount screw
13	40LA90050	Fixing powering wiring
14	26TA90040	Fuse cord/1
15	SP00-0110	Fuse mount plate assembly
16	26TA54060	Fixing gear (Z=47)
17	26NA53730	Heat insulating sleeve/B
18	26NA53411	Fixing cover/rear
19	26TA53900	Lamp support part/rear
20	26NA53151	Mounting plate

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193041
b	00Z163101
c	00Z921330
d	00Z164061
e	00Z163061
f	00Z193061
g	00Z193251

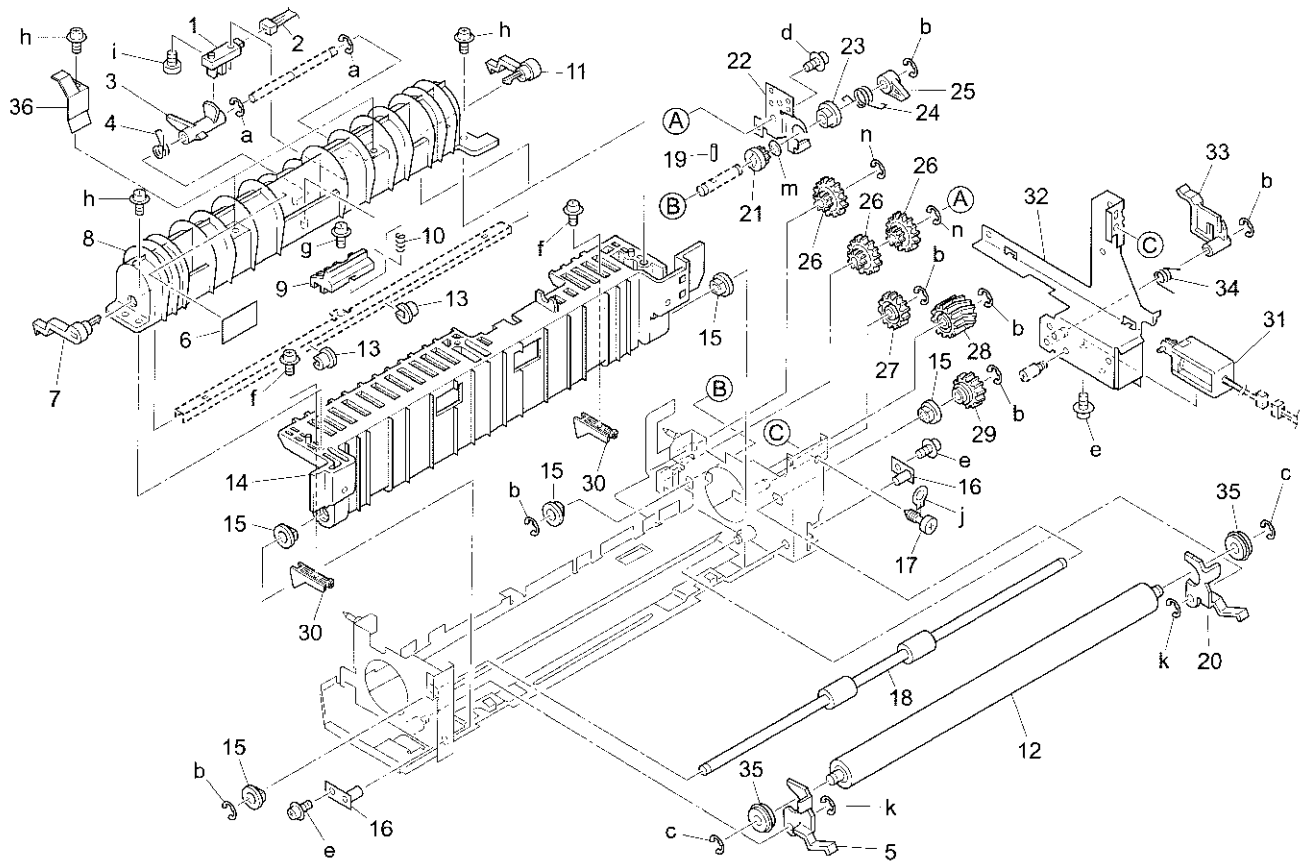
Fixing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA53560	Heat insulating sheet/E
2	26TA53271	Cleaner cover
3	26NA54160	Separate spring
4	26NA54270	Fixing claw
5	26TA-5400	Cleaner assembly
6	26NA53510	Fixing cleaner shaft holder/B
7	26NA-5430	Cleaner driving shaft assembly
8	26NA-5410	Regulating plate/front assembly
9	26NA-5420	Regulating plate/rear assembly
10	26NA53650	Fixing entrance plate
11	26NA53610	Cleaner pressure spring
12	26NA53490	Fixing cleaner shaft holder/A
13	26NA53830	Fixing cleaner roller
14	26TA-5481	Fixing entrance plate/2 assembly
15	26NA54300	Fixing cleaner shaft holder/A
16	113620600	Pin (A)
17	26TA53470	Cleaner gear/B (Z=48)
18	26NA53432	Web
19	26TA53680	Pressure part/A
20	26TA53250	Fixing heat insulate sheet/B
21	26NA53360	Fixing heat insulate sheet/C
22	26TA54010	Pressure part/B
23	26NA53790	Heat insulating part

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z193041
d	00Z193061
e	00Z921930

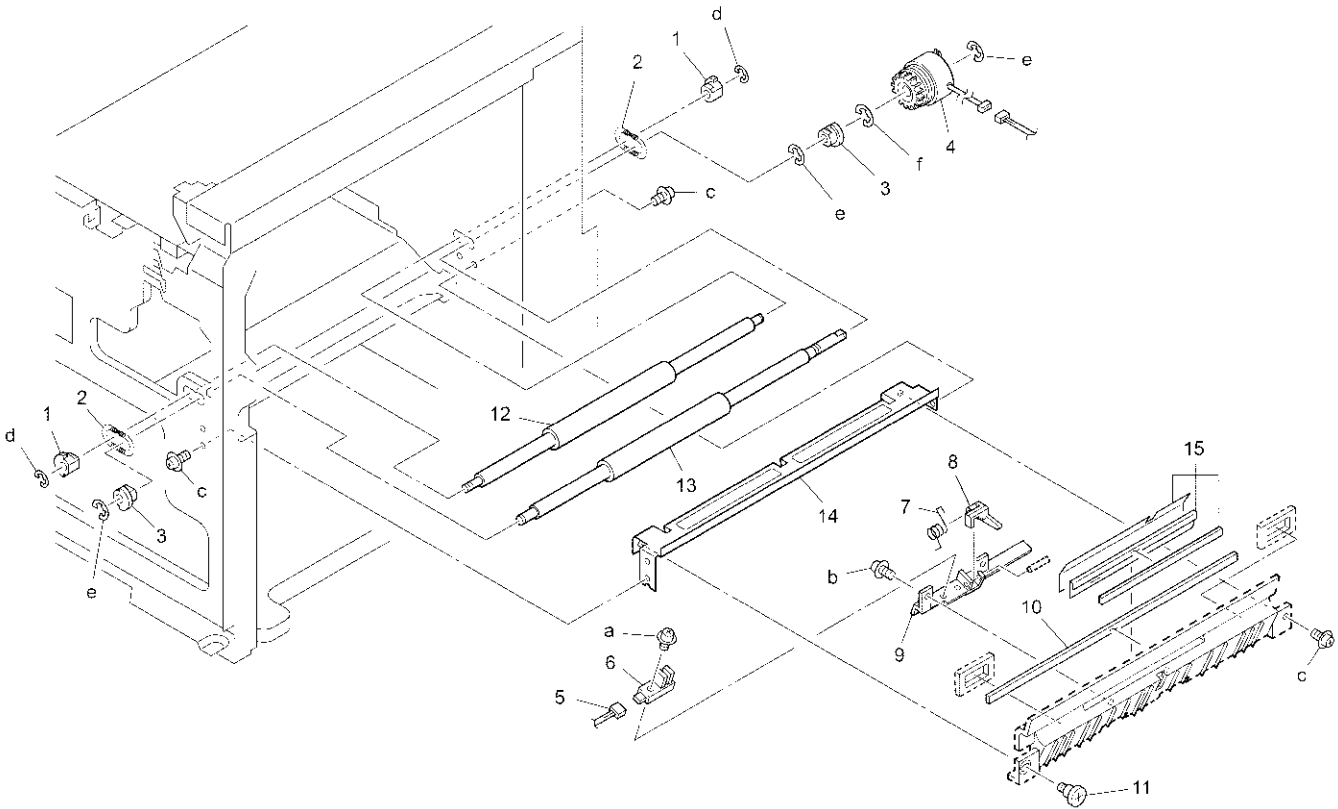
Fixing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	55VA85520	Photosensor
2	26TA90490	Fixing relay wiring/2
3	26TA53171	Fixing paper exit actuator
4	26NA53700	Pressure spring
5	26TA53070	Pressure arm/front
6	26NE97470	Lever indication label/5
7	26NA54070	Lock part/front
8	26NA53882	Fixing guide part/2
9	26NA54110	Open-close lever
10	26NA54120	Open-close spring
11	26NA54080	Lock part/rear
12	26TA53040	Fixing roller/lower
13	26NA54100	Lever shaft holder
14	26NA53020	Fixing guide part
15	192141710	Paper push up lever shaft holder
16	26NA-5440	Rotary shaft/A assembly
17	26NA53931	Fixed screw
18	26TA53130	Conveyance roller
19	466078010	Pin A
20	26TA53080	Pressure arm/rear
21	26NA53460	Cleaner gear/A
22	26TA-5470	Auxiliary part assembly
23	26NA53840	Fixing cleaner shaft holder/C
24	26NA53290	Lever spring
25	26TA54040	Fixing cleaner lever
26	26TA54290	Fixing driving gear/D (Z=16/38)
27	26NA53940	Fixing idler gear/B (Z=21)
28	26TA53440	Fixing idler gear/A (Z=20/20)
29	26TA53450	Conveyance drive gear (Z=20)
30	26NA54310	Paper guide part
31	26NA-4890	ADU Solenoid shaft assembly
32	26TA-5510	Fixing mount rail assembly
33	26NA53660	Solenoid actuator
34	26NA53670	Solenoid spring
35	26NA53590	Fixing shaft holder/lower
36	26NA-5281	Conveyance guide sheet/2 assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z670406
c	00Z670606
d	00Z163061
e	00Z193041
f	00Z253081
g	00Z193061
h	00Z253101
i	00Z253121
j	00Z600406
k	00Z670306
m	00Z610601
n	00Z670506

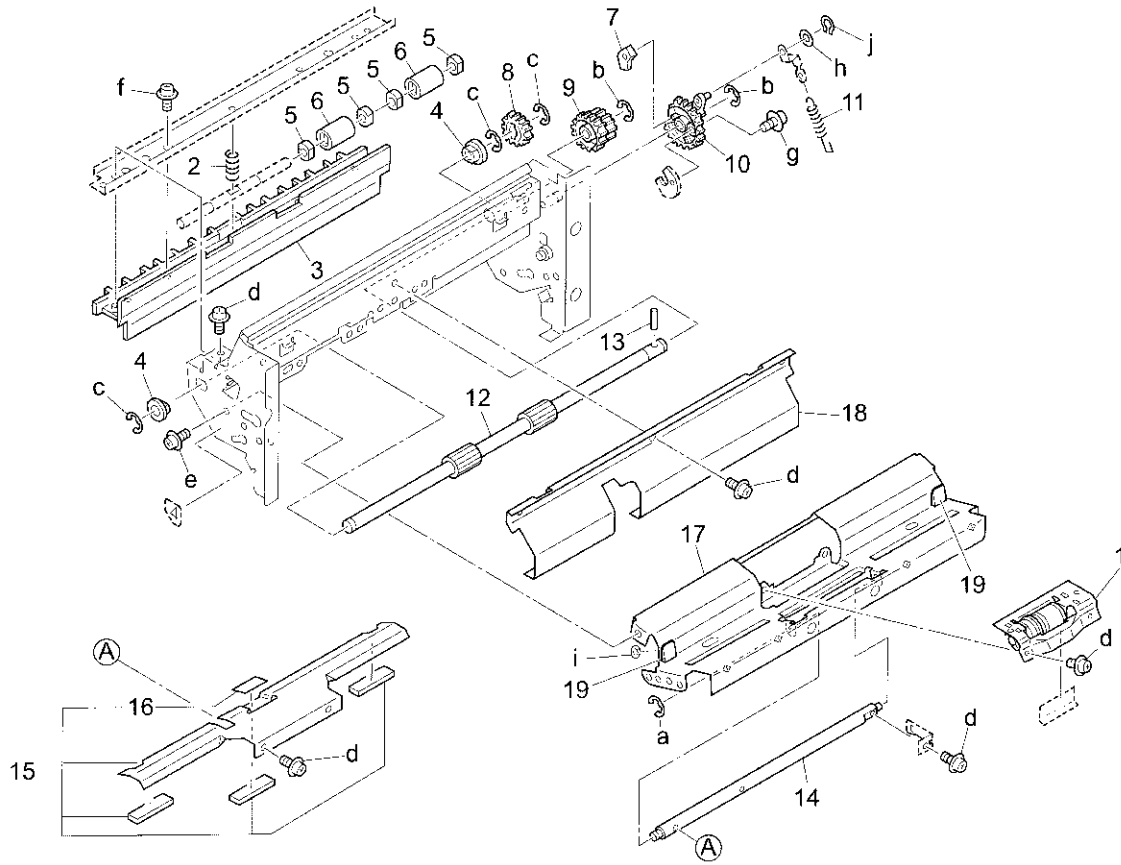
Registration Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA45371	Registration unit shaft holder
2	26NA45141	Registration unit spring
3	26NA45360	Registration unit shaft holder
4	26NA82010	Registration unit clutch
5	26WA90440	Registration unit relay wiring
6	56AA85510	Photosensor
7	26NA45170	Pressure spring
8	26NA45160	Registration unit actuator
9	26NA45150	Support part
10	26NA45450	Dust proof seal
11	26NA45440	Registration unit fixed screw
12	26NA45130	Registration unit roller/B
13	26NA45120	Registration unit roller/A
14	26NA-4520	Conveyance support plate assembly
15	26NA-4540	Registration unit cleaner assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253141
b	00Z253081
c	00Z193061
d	00Z670406
e	00Z670506
f	00Z670606

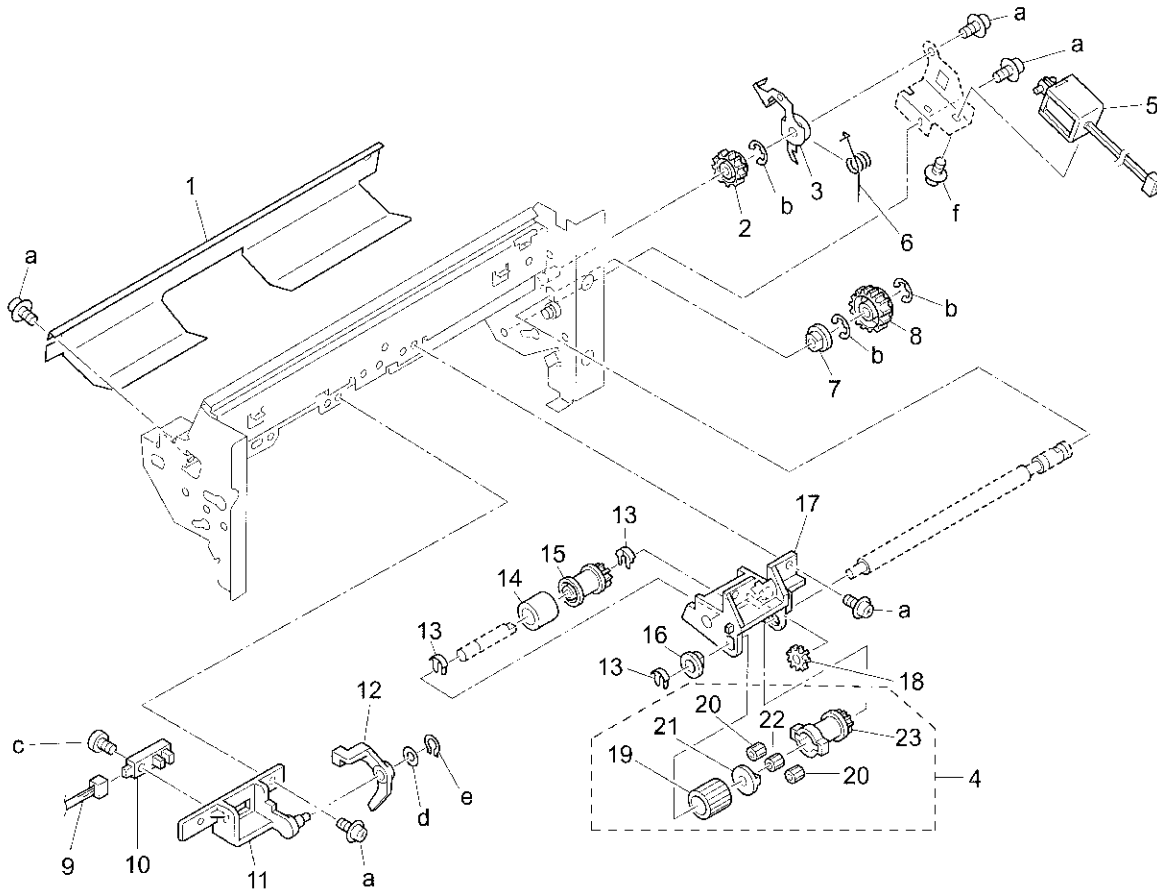
Manual Feed Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4241	Manual feed paper guide assembly
2	26NA42241	Manual feed conveyance spring
3	26NA42010	Manual feed guide part
4	26NA40820	Paper feed slide shaft holder
5	25AA75530	Slide shaft holder
6	26NA40240	Paper feed driven roller
7	40AA42310	Manual feed pressure rubber
8	26NA42061	Manual feed conveyance gear (Z=21)
9	26NA42050	Manual feed idler gear/upper (Z=28/30)
10	26NA42071	Cam pressure gear (Z=25)
11	26NA42220	Manual feed pressure spring
12	26NA42021	Manual feed conveyance roller
13	304078040	Pin B
14	26NA42200	Manual feed lift-up shaft
15	26NA-4221	Manual feed lift-up plate assembly
16	540042350	Double feed preventive plate
17	26NA42251	Manual feed guide plate
18	26NA-4311	Manual feed cover assembly
19	26NA42570	Manual feed guide spacer

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z670606
d	00Z193061
e	00Z183063
f	00Z253081
g	00Z183041
h	00Z610301
i	00Z660306
j	00Z680306

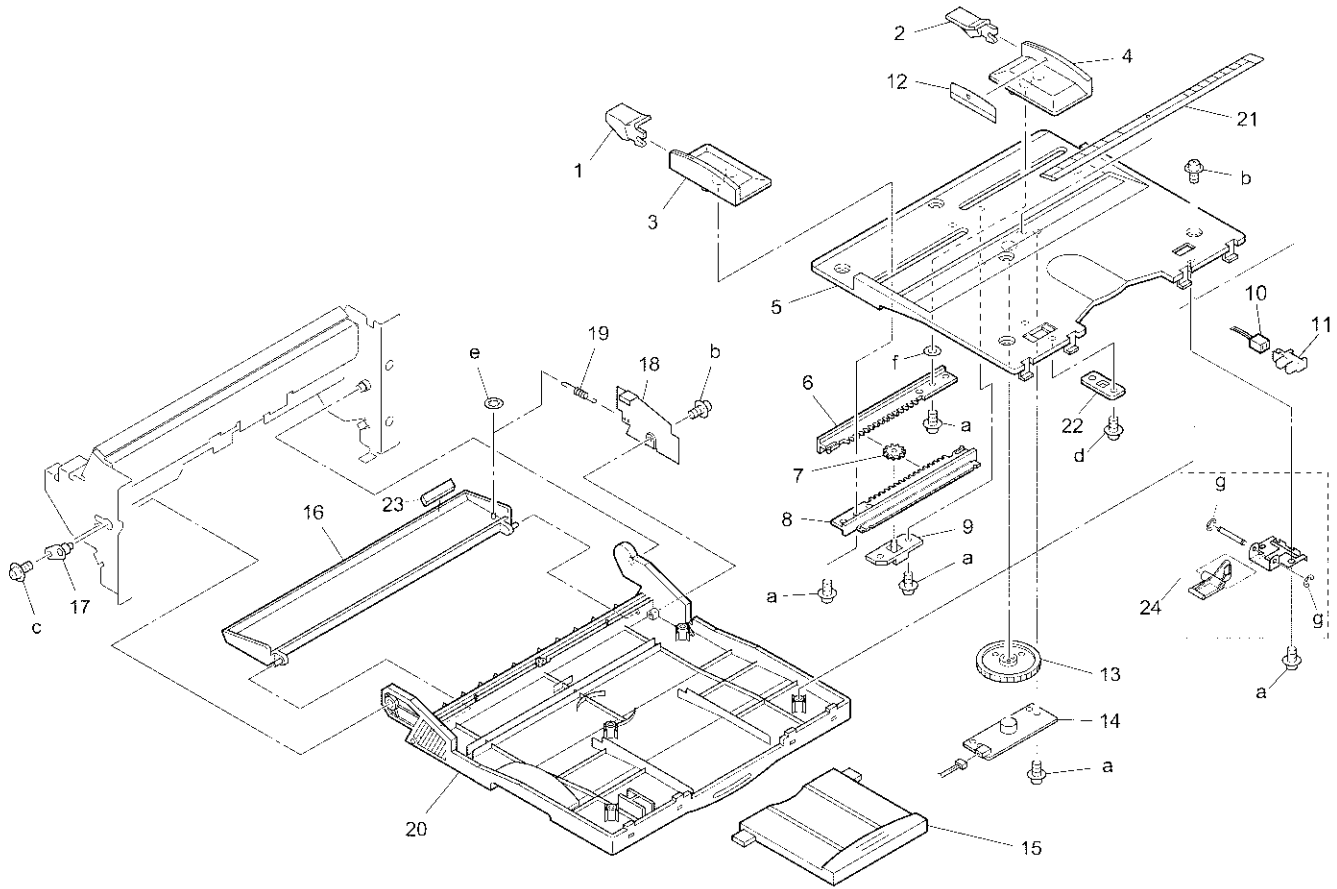
Manual Feed Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA42480	Bypass feed guide plate/upper
2	26NA42040	Manual feed idler gear/lower (Z=22)
3	26NA42030	Manual feed driving cam
4	26NA-4280	Manual feed pick up assembly/2
5	26NA-5090	Manual feed solenoid assembly
6	26NA42210	Cam spring
7	466076020	Paper feeding shaft holder
8	40AA42270	Manual feed clutch
9	26WA90140	Manual feed wiring
10	56AA85510	Photosensor
11	26NA42351	Support part
12	26NA42280	Manual feed detecting part
13	40AA40150	Shaft positioning part
14	540040562	Paper supply rubber
15	40AA42100	Manual feed conveyance roller
16	540076010	Paper feed shaft holder
17	26NA42081	Manual feed part
18	26NA42580	Gear(D) (Z=16)
19	25BA40320	Paper feeding rubber
20	26NA42630	Clutch lock gear (Z=10)
21	26NA42590	Cover
22	26NA42610	Clutch standard gear
23	26NA42600	Manual feed roller

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193061
b	00Z670406
c	00Z253141
d	00Z610401
e	00Z660406
f	00Z193041

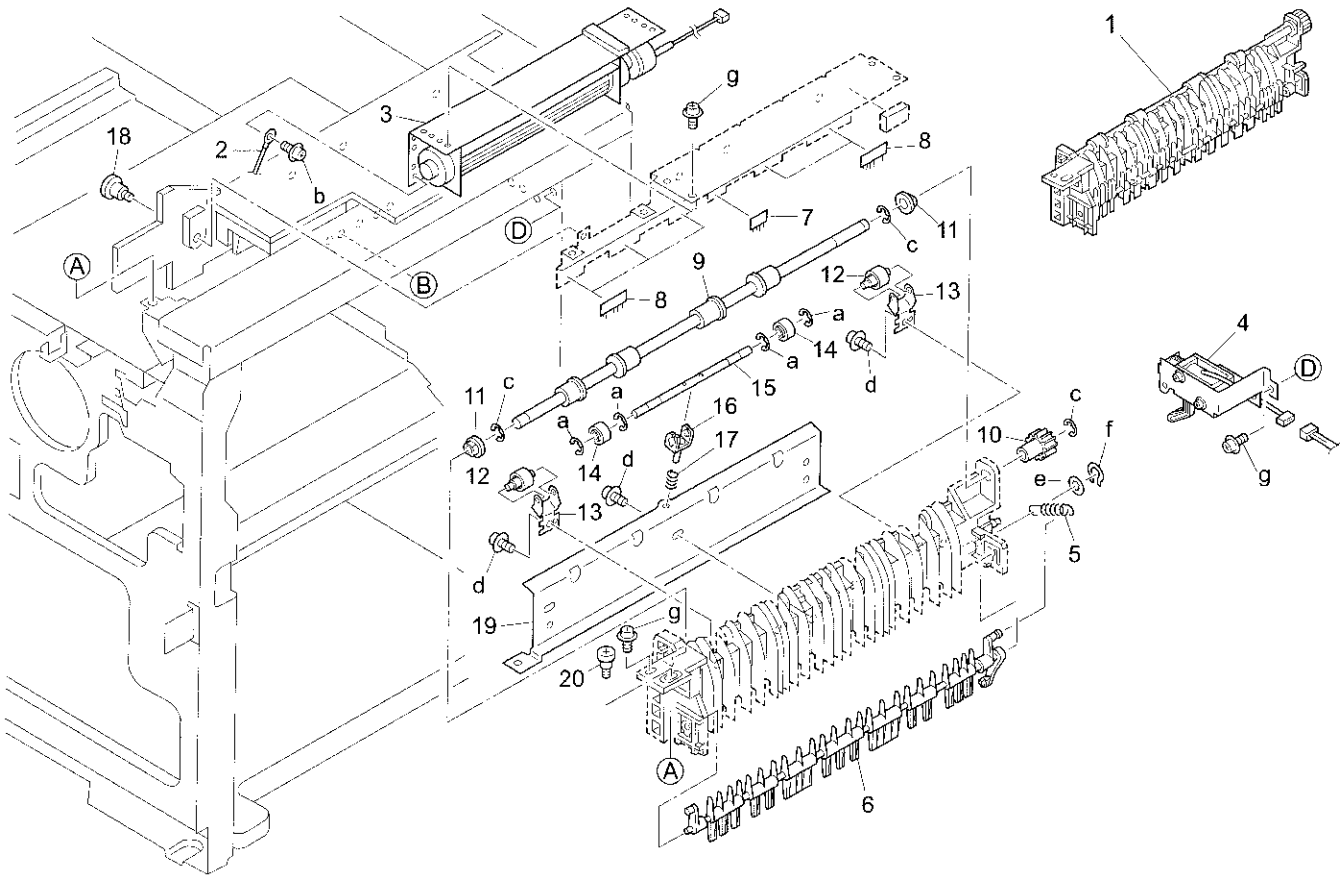
Manual Feed Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA42330	Paper guide plate/front
2	26NA42340	Paper guide plate/rear
3	26NA42392	Paper regulating part/front
4	26NA42401	Paper regulating part/rear
5	26NA42171	Manual feed tray/upper
6	396040611	Rack
7	466077130	Pinion
8	26NA42440	Rack/A
9	540042120	Slide holder/1
10	26NA90451	By-pass feed detecting wiring
11	55VA85520	Photosensor
12	26NA97350	Manual feed label/2
13	26NA42450	Pinion/A (Z=124)
14	13QA-9010	Size detecting board assembly
15	26NA42320	Manual feed auxiliary tray
16	26NA42300	Manual feed cover
17	26NA-4291	Manual feed fulcrum plate assembly
18	26NA42490	Wiring plate
19	26NA42380	Manual feed open-close spring/rear
20	26NA42181	Manual feed tray/lower
21	26NA97270	Manual feed label/1
22	26NA42550	Magnet pressure plate
23	26NA42620	Manual feed sticking part/3
24	26NA-4330	Paper detecting actuator assembly

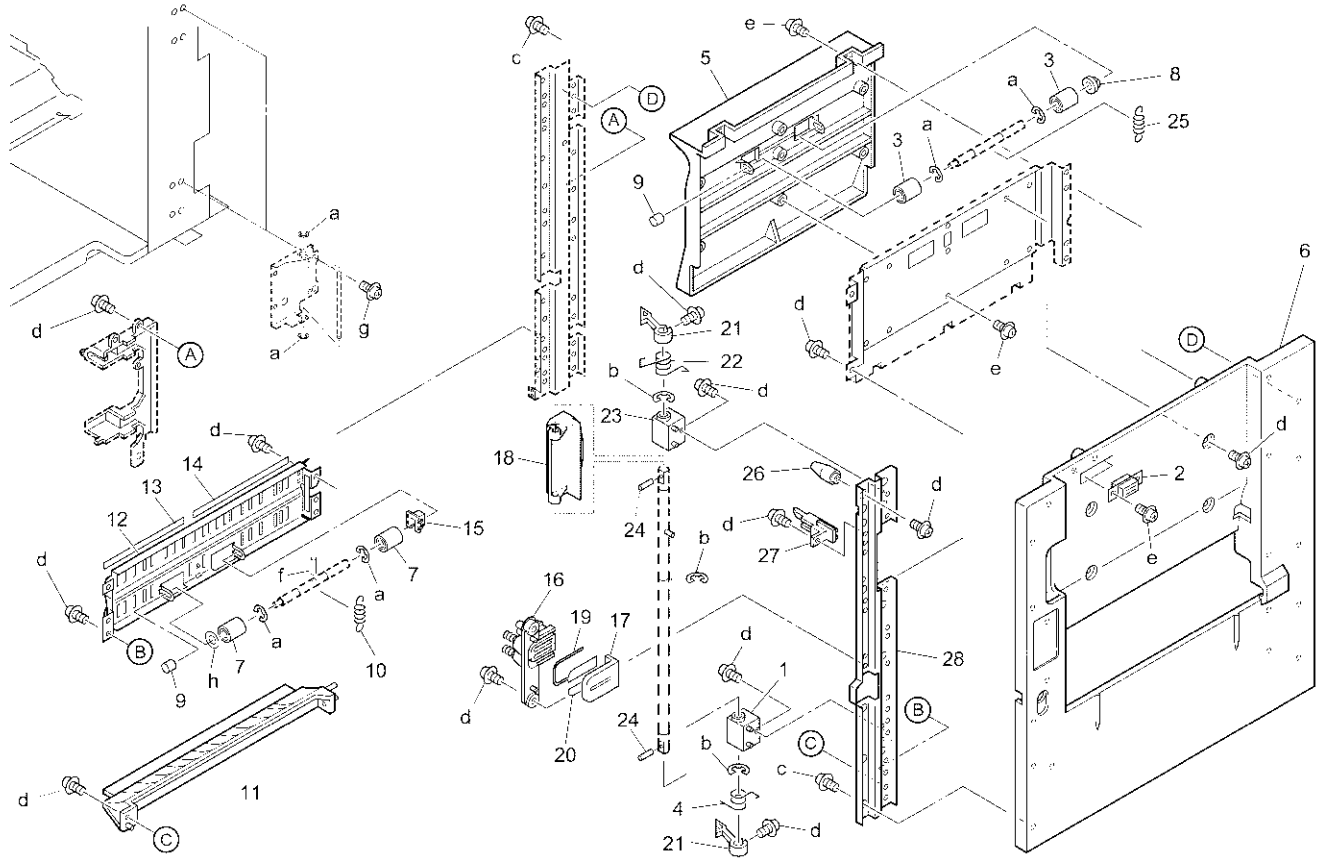
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z253081
b	00Z253082
c	00Z193061
d	00Z253181
e	00Z660306
f	00Z610301
g	00Z670206

Paper Exit Unit



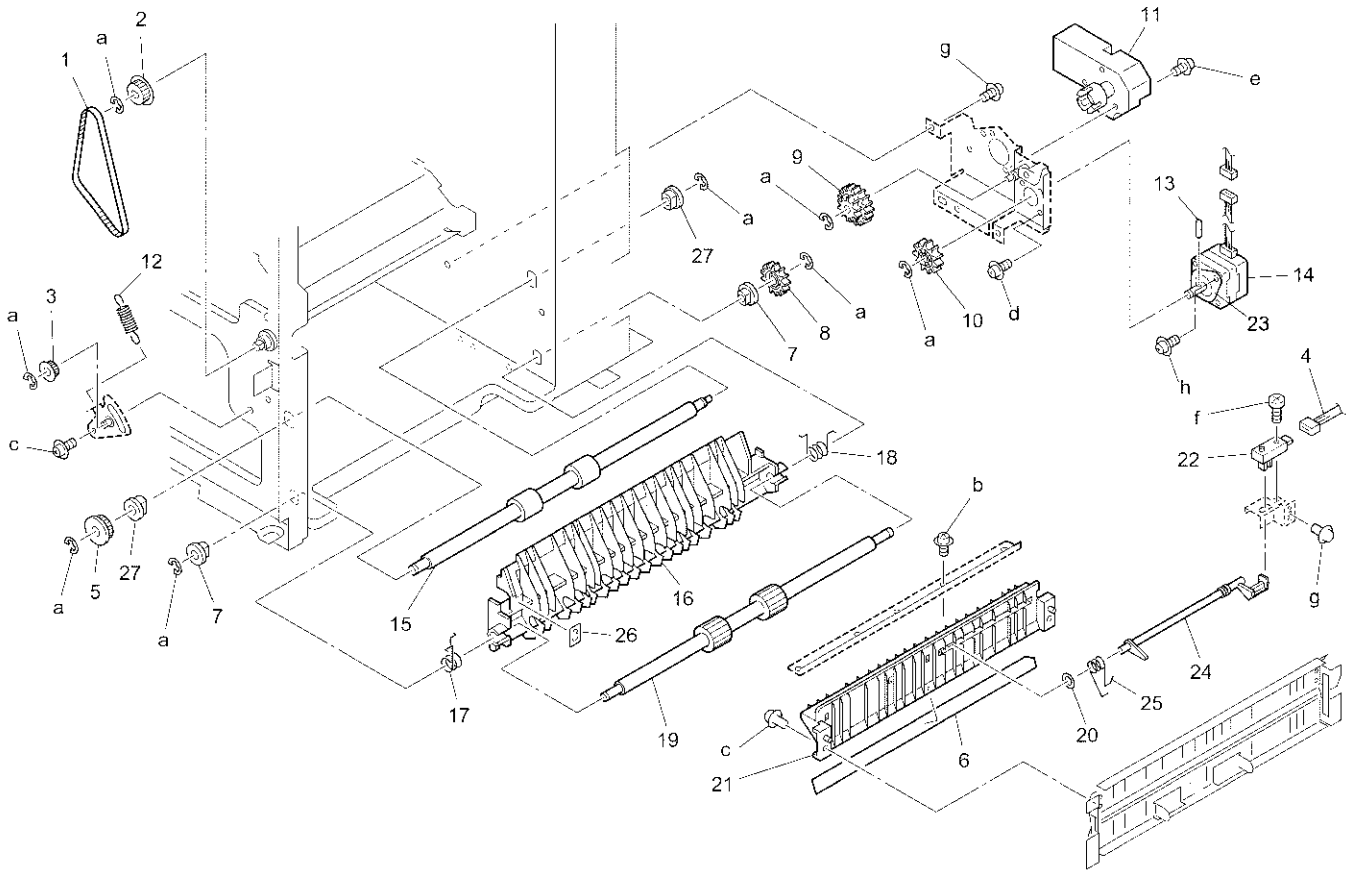
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4801	Paper exit unit
2	26NA90470	Paper exit ground wiring
3	26TA-7390	Fan motor assembly
4	26NA-4870	ADU change solenoid assembly
5	26NA48110	Tension spring
6	26NA48250	Paper exit guide part
7	26NA48220	Neutralizing brush/B
8	26NA48210	Neutralizing brush/A
9	26NA48020	Paper exit roller
10	26NA15740	Paper exit gear (Z=26)
11	508053460	Paper exit slide shaft holder
12	26NA48120	Paper exit driven roller
13	26NA48130	Paper exit driven spring
14	26NA48070	Paper exit driven roller
15	26NA48081	Paper exit driven shaft
16	26NA48140	Paper exit driven part
17	26NA48100	Paper exit spring
18	26NA12430	External fixed screw
19	26NA48010	Paper exit stay
20	26NA45440	Registration unit fixed screw

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z183061
c	00Z670406
d	00Z253081
e	00Z610301
f	00Z660306
g	00Z193061



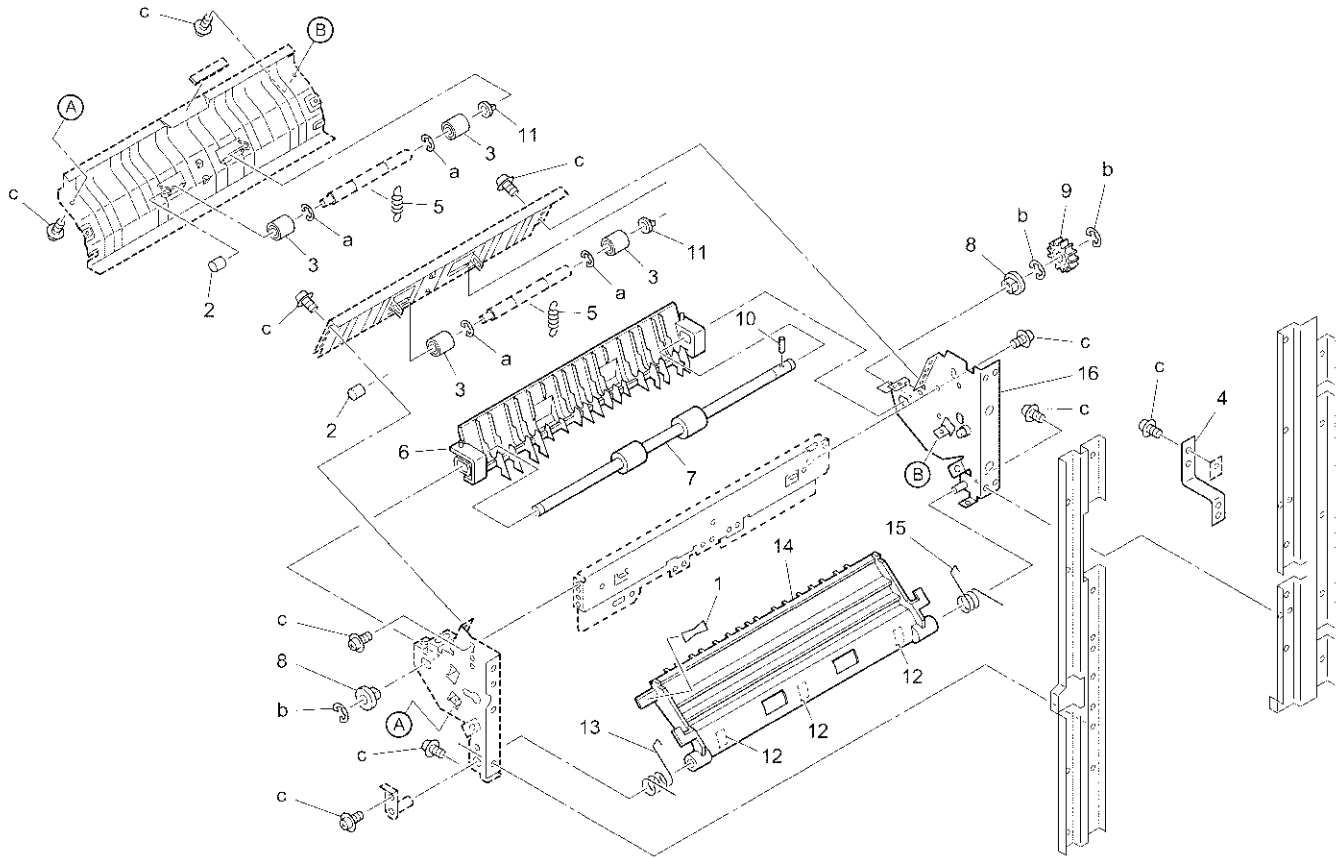
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA50640	Shaft holder part/lower
2	059010620	Magnet catch
3	26NA51070	Pressure roller/upper
4	26NA50760	Conveyance lock spring/lower
5	26NA50792	ADU guide plate/upper
6	26NA50011	ADU cover
7	26NA50290	Pressure roller
8	26NA51060	Driven shaft holder
9	552012250	Roller/B
10	26NA50900	Reversing spring
11	26NA50230	Conveyance guide part/lower
12	26NA50811	Conveyance guide plate/lower
13	26NA50991	Conveyance sheet
14	26NA51020	Conveyance sheet/front
15	26NA51090	Driven shaft holder/lower
16	26NA-5024	High voltage casing/B assembly
17	26NA50522	High voltage casing/A
18	26NA51110	Open-close knob
19	26NA51720	Insulating sheet/2
20	26NA50971	Insulating sheet
21	26NA50963	ADU lock claw
22	26NA50330	Conveyance lock spring
23	26NA50630	Shaft holder part/upper
24	466078010	Pin A
25	26NA50890	Conveyance pressure spring
26	26NA50721	ADU positioning pin/front
27	26NA50871	ADU open-close actuator
28	26NA50840	ADU reinforce stay/front

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670406
c	00Z254081
d	00Z193061
e	00Z253081
f	00Z711146
g	00Z283061
h	00Z610401



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA50450	Driving belt (L=300)
2	26NA50430	Conveyance pulley/B (Z=28)
3	26NA50370	Idler pulley (Z=18)
4	26WA90330	Wiring/3
5	26NA50420	Conveyance pulley/A (Z=28)
6	26NA50340	Reversal sheet
7	508053460	Paper exit slide shaft holder
8	26TA50150	Reversal gear (Z=26)
9	26TA50170	ADU idler gear (Z=26/31)
10	40LA50160	Motor gear (Z=31)
11	26NA80041	Cassette driving motor
12	26NA51030	Tension spring
13	113620600	Pin (A)
14	56GA80060	HB motor/40
15	26NA50240	ADU guide roller
16	26NA50032	Guide part/lower
17	26NA50710	Lift-up spring/front
18	26NA50400	Lift-up spring
19	26NA50110	Reversal roller
20	26NA50920	Reversal spacer
21	26NA50021	Guide part/middle
22	56AA85510	Photosensor
23	56GA73430	Motor fixing part/1
24	26NA50071	Reversal actuator
25	26NA50360	Conveyance guide spring
26	26NA97450	Lever indication label/3
27	466076020	Paper feeding shaft holder

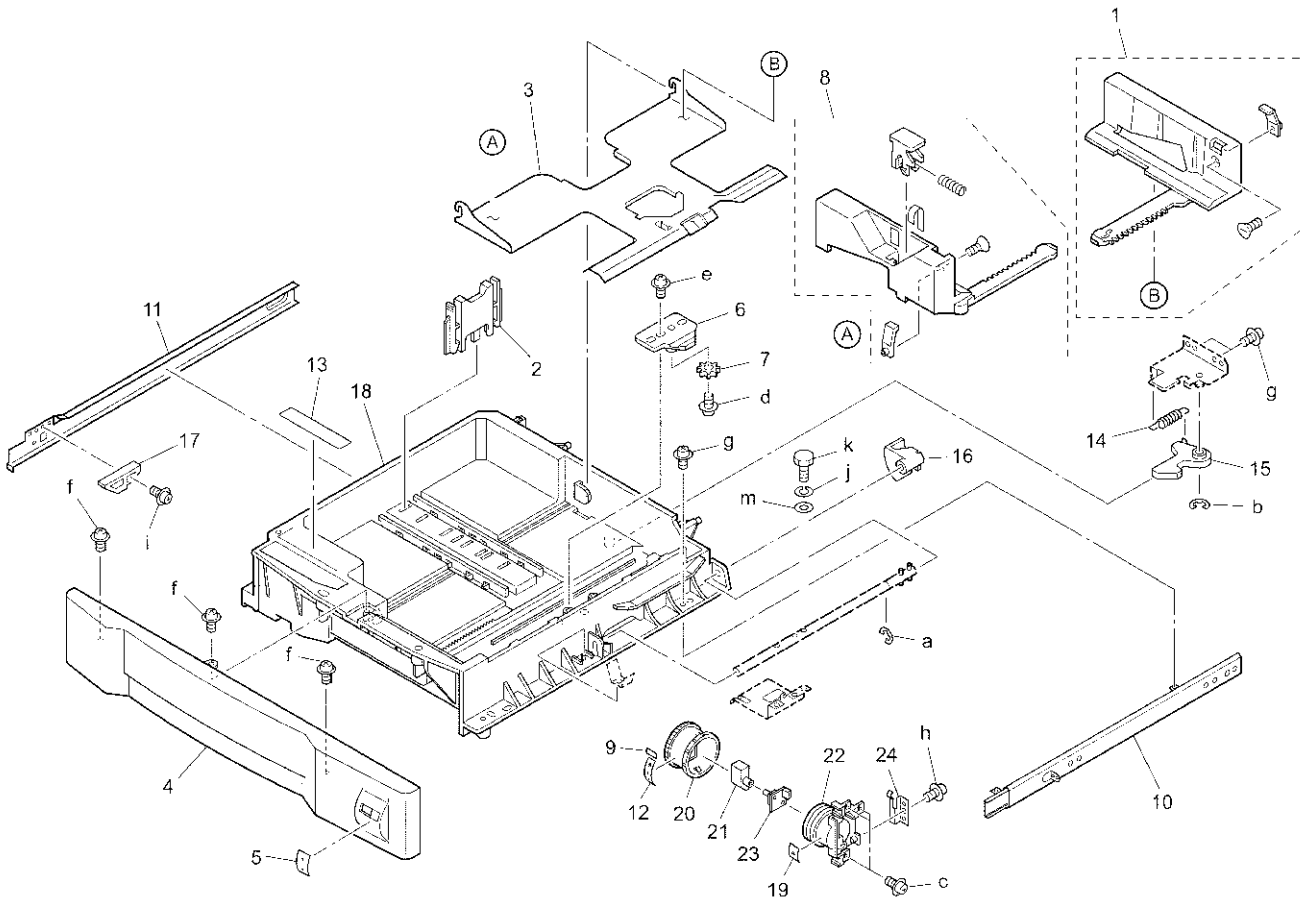
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z253081
c	00Z193061
d	00Z163061
e	00Z193201
f	00Z193101
g	00Z283061
h	00Z113051



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA97370	Open-close label/upper
2	552012250	Roller/B
3	26NA50290	Pressure roller
4	26NA50780	ADU open-close belt
5	26NA50890	Conveyance pressure spring
6	26NA50671	Paper guide part/upper
7	26NA42021	Manual feed conveyance roller
8	26NA40820	Paper feed slide shaft holder
9	26NA42061	Manual feed conveyance gear (Z=21)
10	304078040	Pin B
11	26NA51060	Driven shaft holder
12	26NA50910	Slide sheet
13	26NA50540	Open-close spring/front
14	26NA50061	Paper guide part/lower
15	26NA50550	Open-close spring/rear
16	26NA-5151	ADU conveyance panel assembly

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670306
b	00Z670606
c	00Z193061

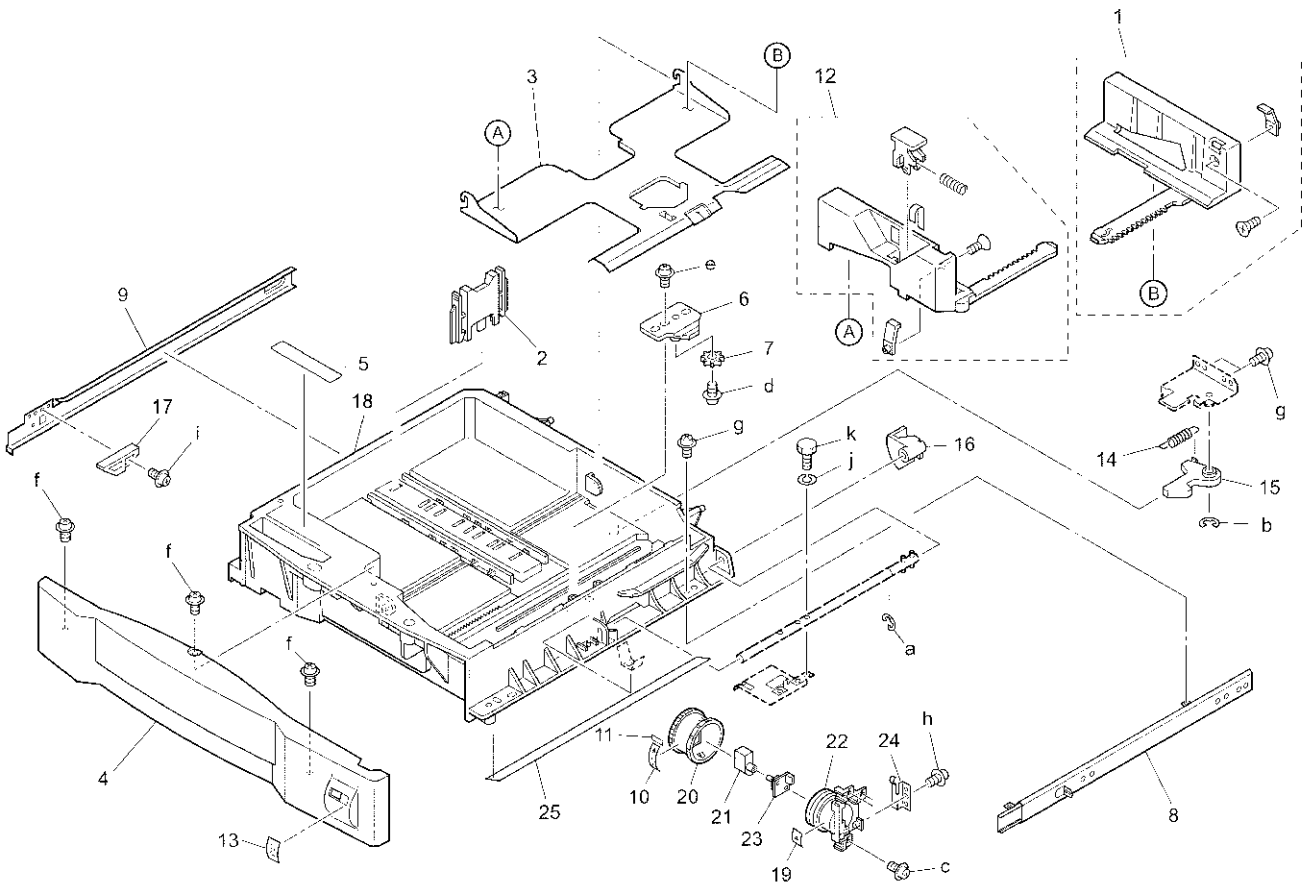
Upper Cassette



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4730	Side regulating/rear assembly
2	26NA47040	Paper regulating plate/left
3	26NA-4740	Lift-up bottom plate assembly
4	26WA47010	Cassette base/upper
5	26NA97390	Cassette indication label/1
6	40AA47130	Adjusting plate
7	40AA77290	Pinion (Z=16)
8	26NA-4721	Side regulating/front assembly
9	26NA47381	Fixing seal
10	26NA10062	Cassette rail/right
11	26NA10070	Cassette rail/left
12	26NE97280	Cassette indication label/upper
13	26NA97310	Paper supply label
14	26NA47390	Cassette fixed spring
15	25BA47461	Cassette positioning catch/U
16	26NA47291	Cassette remained detecting actuator
17	26NA47350	Cassette stopper
18	26WA47211	Cassette stay/upper
19	26NA97300	Cassette click label
20	26NA47260	Paper feed indication plate/front
21	26NA47240	Cassette detecting connector
22	26NA47251	Cassette detecting base
23	26NA-9200	Size detecting board assembly
24	26NA47280	Spring lock plate

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z193061
d	00Z254081
e	00Z254121
f	00Z254101
g	00Z283061
h	00Z253081
i	00Z183061
j	00Z620301
k	00Z463103
m	00Z610301

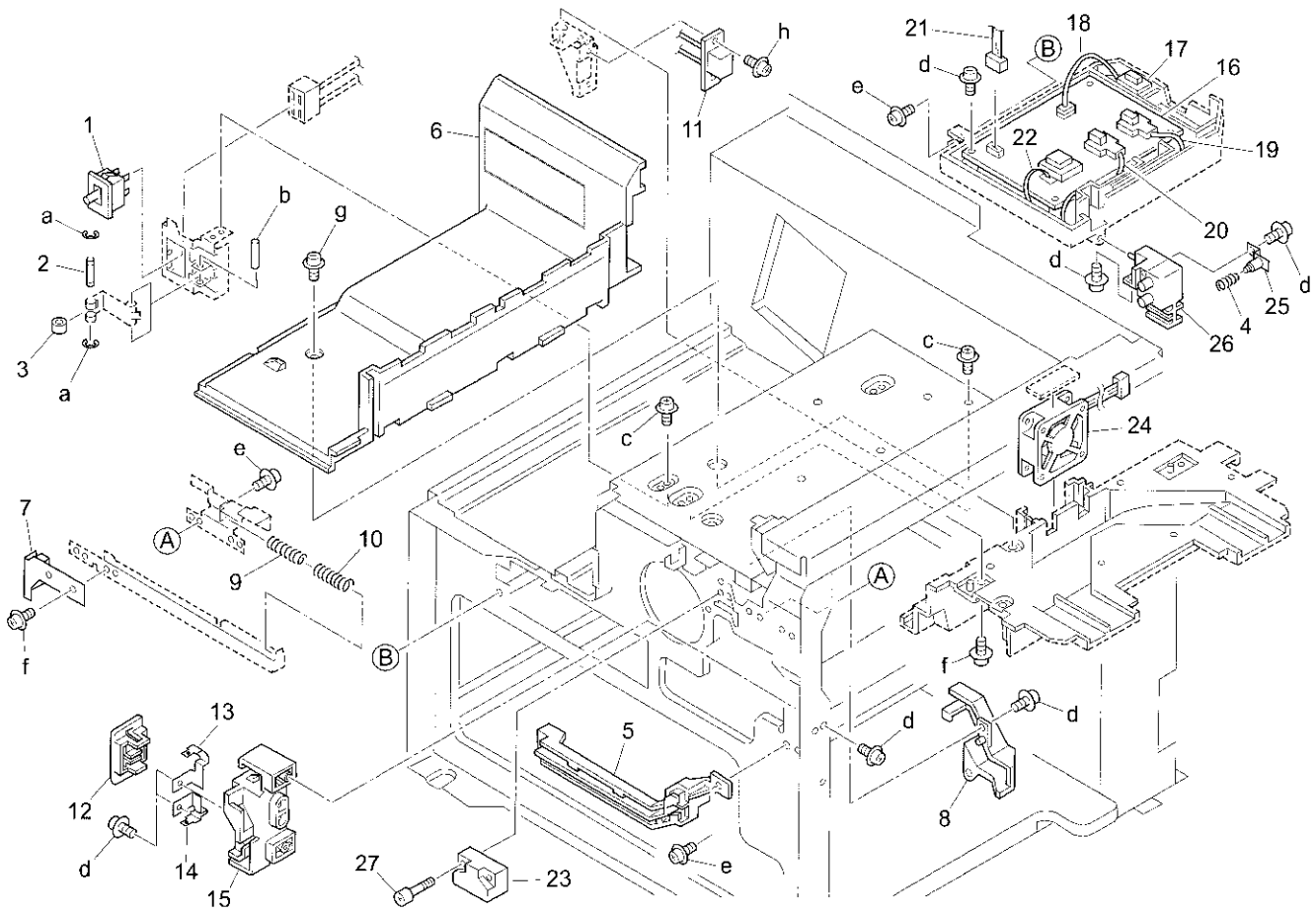
Lower Cassette



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA-4730	Side regulating/rear assembly
2	26NA47040	Paper regulating plate/left
3	26NA-4740	Lift-up bottom plate assembly
4	26WA47020	Cassette base/lower
5	26NA97310	Paper supply label
6	40AA47130	Adjusting plate
7	40AA77290	Pinion (Z=16)
8	26NA10062	Cassette rail/right
9	26NA10070	Cassette rail/left
10	26NE97290	Cassette indication label/lower
11	26NA47381	Fixing seal
12	26NA-4721	Side regulating/front assembly
13	26NA97400	Cassette indication label/2
14	26NA47390	Cassette fixed spring
15	25BA47461	Cassette positioning catch/U
16	26NA47291	Cassette remained detecting actuator
17	26NA47350	Cassette stopper
18	26WA47221	Cassette stay/lower
19	26NA97300	Cassette click label
20	26NA47260	Paper feed indication plate/front
21	26NA47240	Cassette detecting connector
22	26NA47251	Cassette detecting base
23	26NA-9200	Size detecting board assembly
24	26NA47280	Spring lock plate
25	26YA47420	Cassette slide sheet

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670406
b	00Z670606
c	00Z193061
d	00Z254081
e	00Z254121
f	00Z254101
g	00Z283061
h	00Z253081
i	00Z183061
j	00Z620301
k	00Z463103

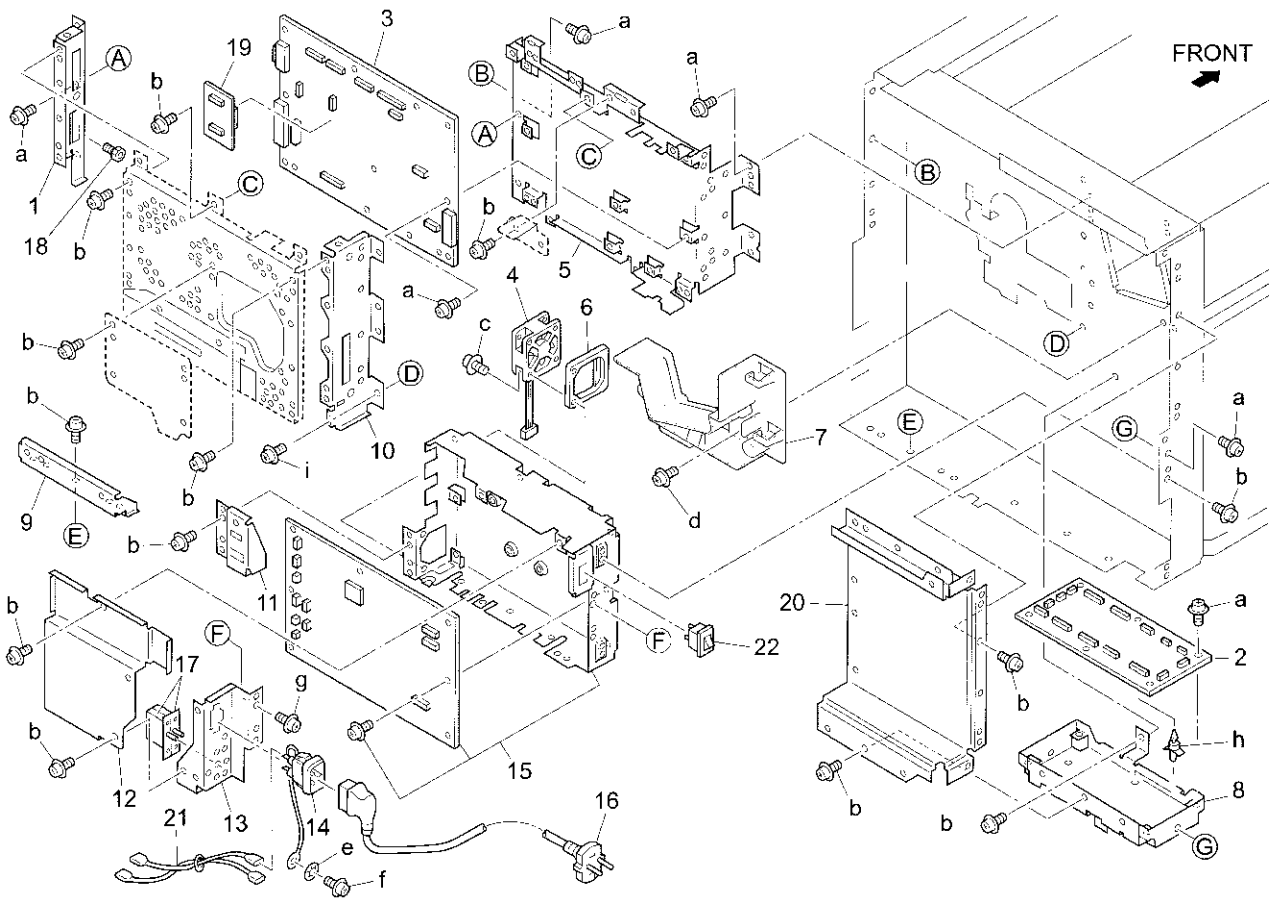
Electric Parts



REF. NO.	PART NUMBER	DESCRIPTION
1	40AA85010	Door switch
2	25HA73200	Switch guide shaft
3	25HA73210	Switch guide roller
4	26NA73251	Electrode connecting spring/A
5	26NA73201	Wiring support part
6	26NA73331	Fan cover
7	26NA73070	Switch pressure plate
8	26NA73061	Cord cover
9	25HA73131	Switch spring/B
10	25HA73121	Switch spring/A
11	26NA90060	Fixing relay wiring
12	26NA73500	High voltage cover plate/A
13	26NA73131	Connecting plate/A
14	26NA73471	Connecting plate/C
15	26NA73151	Contact support plate
16	26NA84012	High voltage power source
17	26NA88030	Sensor
18	26NA90320	Relay wiring/2
19	26NA90360	High voltage wiring/1
20	26NA90370	High voltage wiring/2
21	26NA90280	High voltage relay wiring
22	26NA90380	High voltage wiring/3
23	26TA90080	Drum relay wiring
24	26NA80510	Main fan motor
25	26NA-7510	High voltage connecting plate/B assembly
26	26NA73510	Contact support plate/B
27	066079020	Drawer

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z670206
b	00Z713206
c	00Z193041
d	00Z253081
e	00Z283061
f	00Z193061
g	00Z193062
h	00Z194081

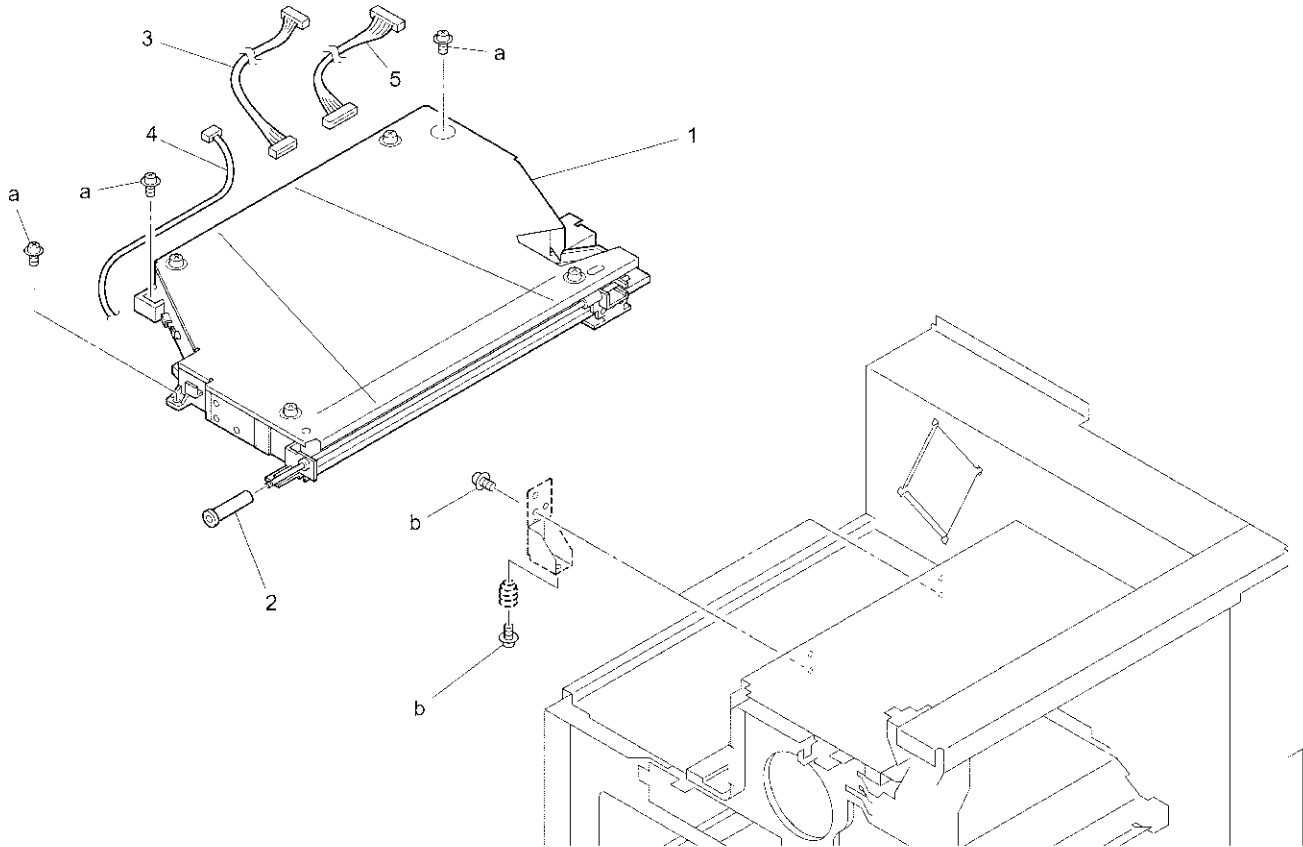
Electric Parts



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA73241	Board cover plate/B
2	26TA-9022	Main driving board assembly
3	26YA-9300	System control board unit
4	26NA80510	Main fan motor
5	26NA73011	Board mount plate
6	26NA73610	Fan spacer
7	26NA73021	Protect cover
8	26NA73380	Board mount plate/B
9	26NA73420	Board mount plate/C
10	26NA73260	Board cover plate/C
11	26NA73290	Wiring mount plate/A
12	26NA73460	Power source cover plate
13	26NA73410	Cord mount plate
14	26NA-7520	Power socket assembly
15	26NA84511	DC power source/1
16	26NE88610	Power source cord
17	26NA88460	Circuit breaker
18	26NA73570	Contact fixing screw/A
19	26NA-9110	Parameter memory board assembly
20	26NA73280	Board cover/D
21	26NA90110	AC power source wiring
22	55GA86010	Power source switch

HARDWARE	
REF. LTR.	PART NUMBER
a	00Z193041
b	00Z193061
c	00Z193351
d	00Z283061
e	00Z630406
f	00Z184065
g	00Z164081
h	00Z925104
i	00Z183043

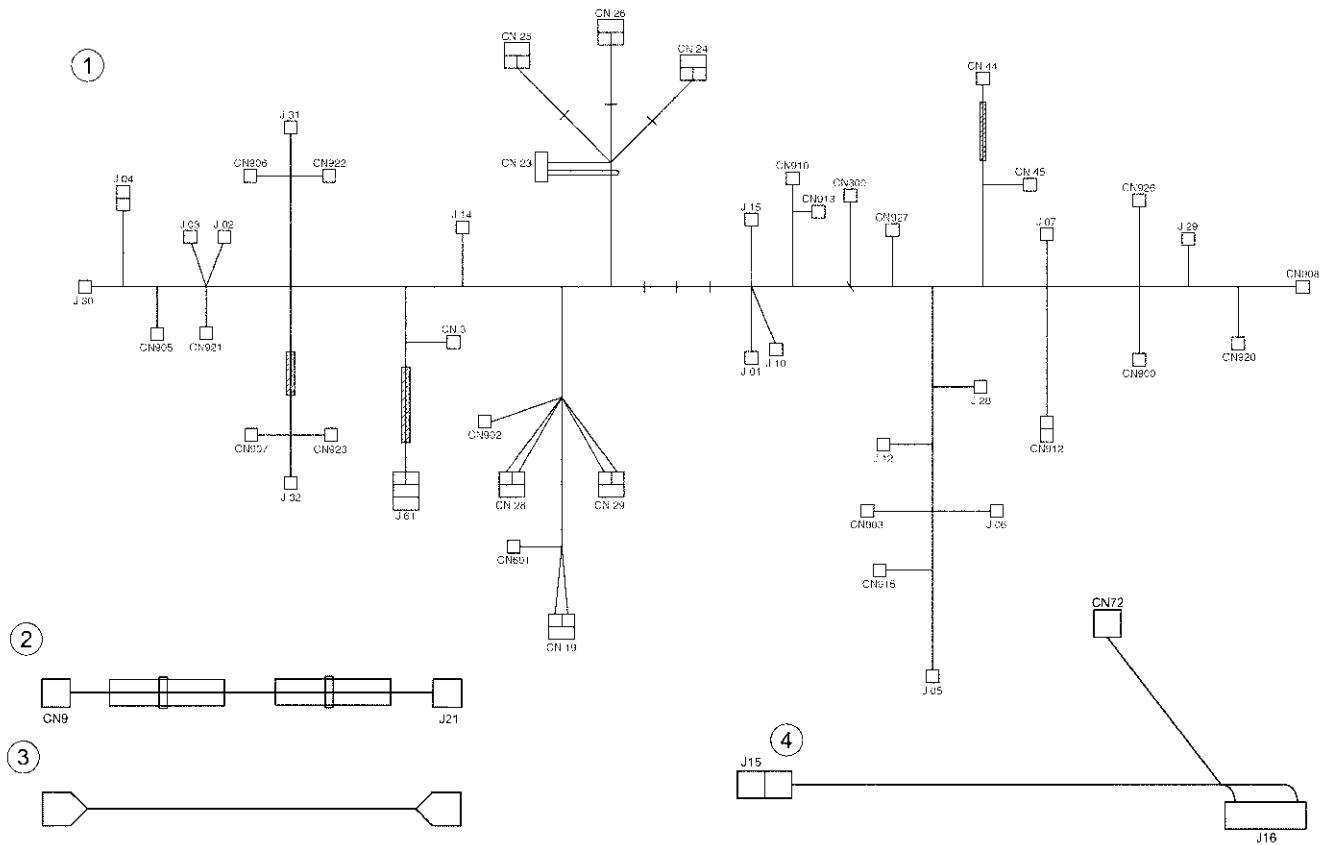
Writing Unit



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA-6500	Writing unit
2	26NA65260	Writing cleaner knob
3	26NA90180	Polygon relay wiring
4	26NA90240	INDEX driving wiring
5	26NA90390	LD relay wiring/2

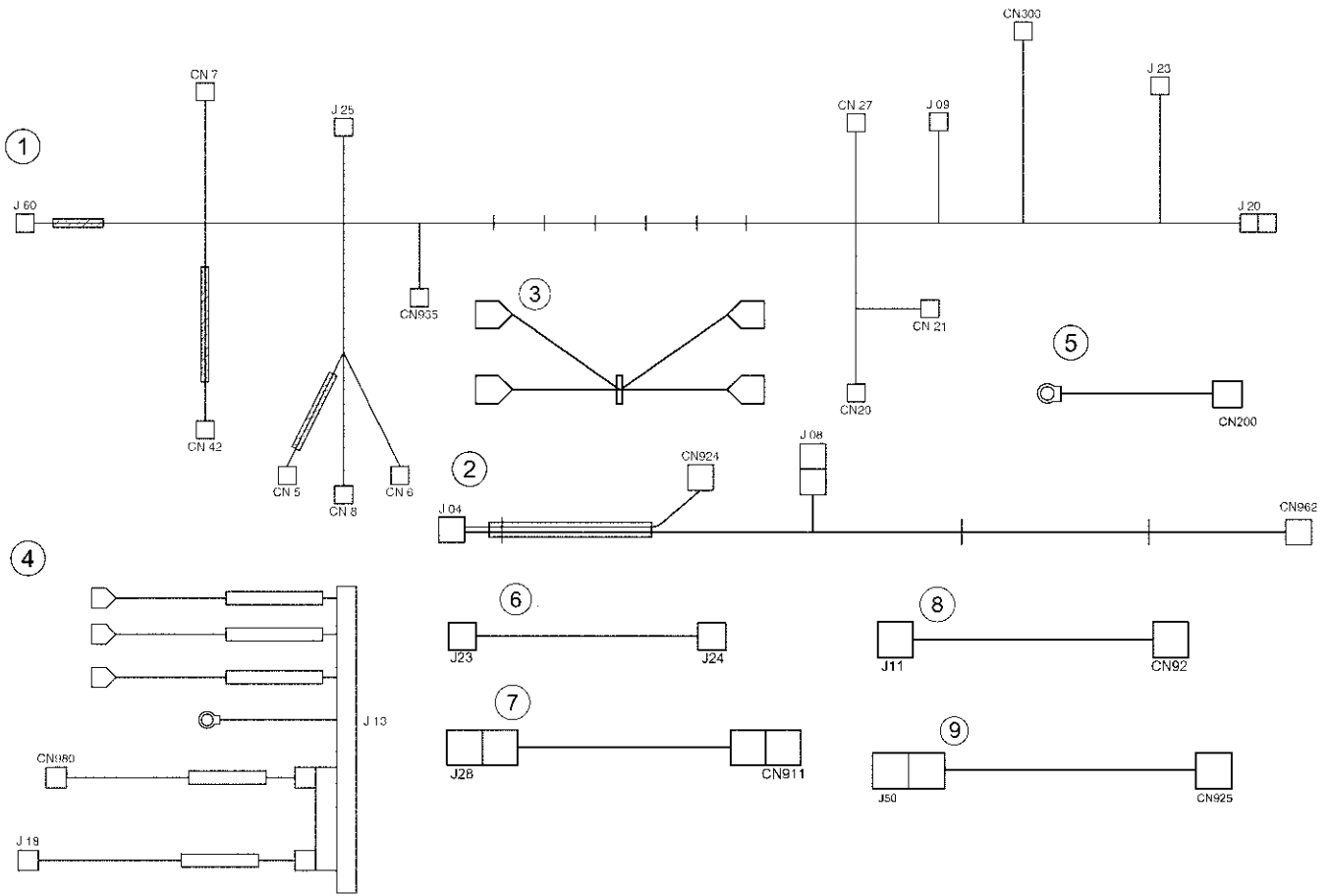
HARDWARE	
REF. LTR.	PART NUMBER
a	00Z163101
b	00Z193061

Wiring



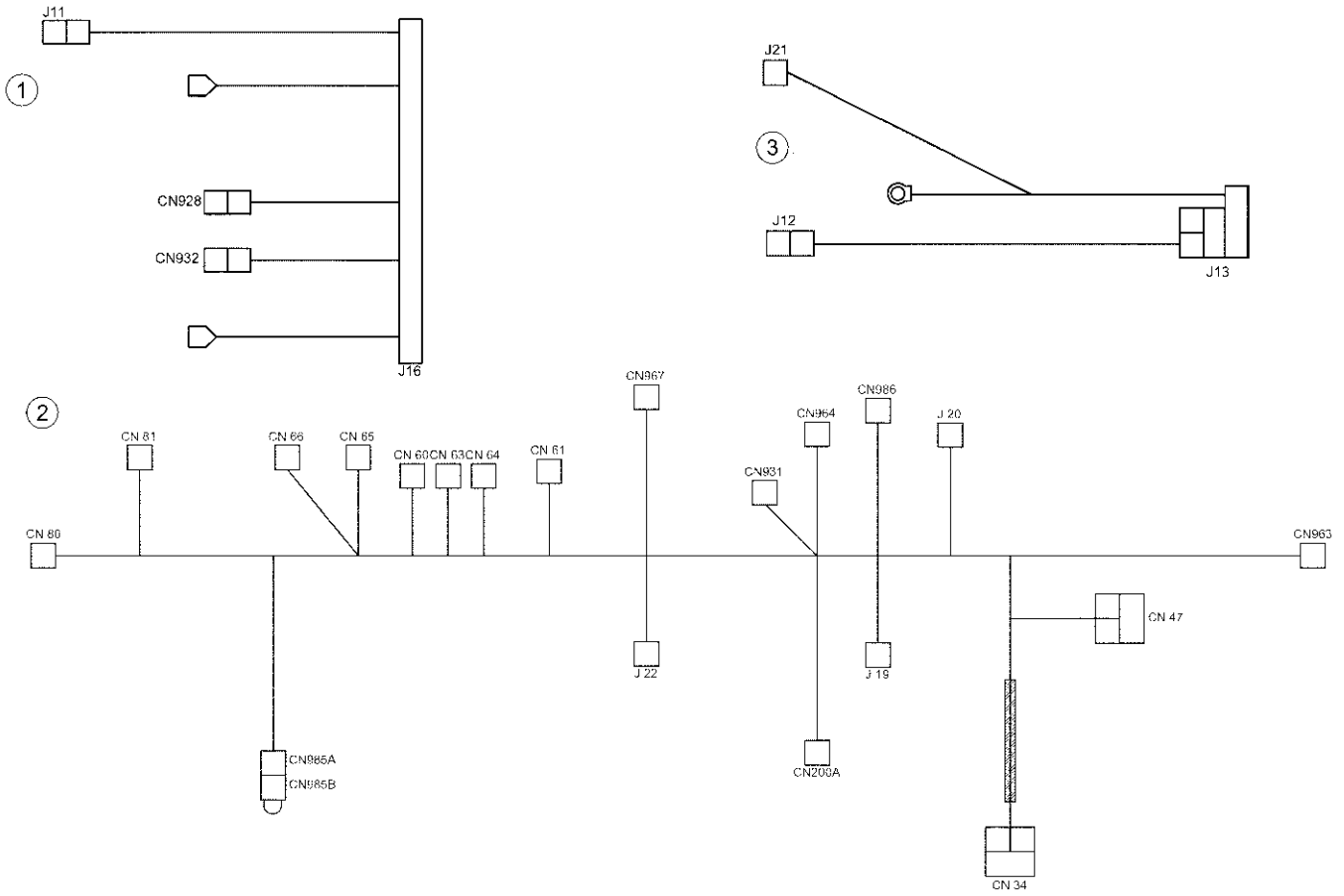
REF. NO.	PART NUMBER	DESCRIPTION
1	26YA90010	Main body wiring
2	26NA90021	Heater relay wiring
3	26TA90040	Fuse cord/1
4	26TA90080	Drum relay wiring

Wiring



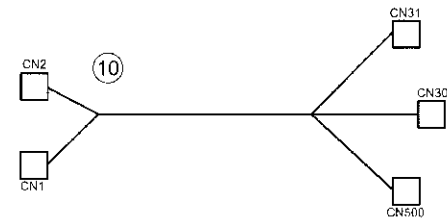
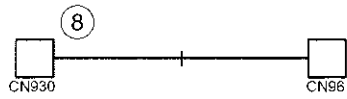
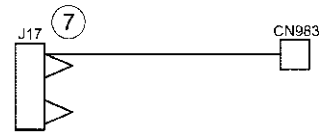
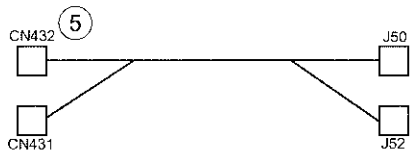
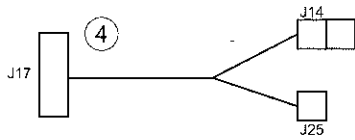
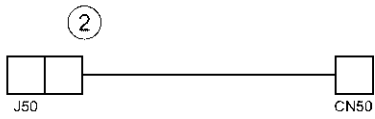
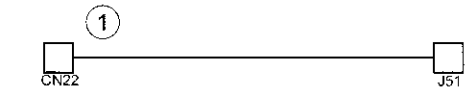
REF. NO.	PART NUMBER	DESCRIPTION
1	26TA90030	DC power source wiring
2	26WA90140	Bypass feed wiring
3	26NA90110	AC power source wiring
4	40LA90050	Fixing powering wiring
5	26NA90420	Option wiring/1
6	26NA90270	DC interlock wiring
7	26NA90300	Relay wiring
8	26NA90310	Relay wiring/1
9	26NA90410	Web relay wiring

Wiring



REF. NO.	PART NUMBER	DESCRIPTION
1	26TA90070	Drum wiring
2	26WA90090	Optics wiring
3	26NA90060	Fixing relay wiring

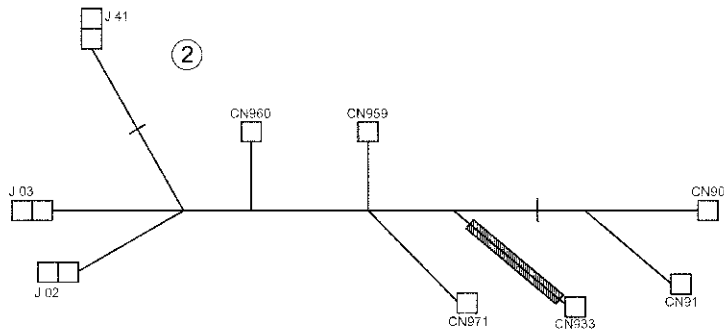
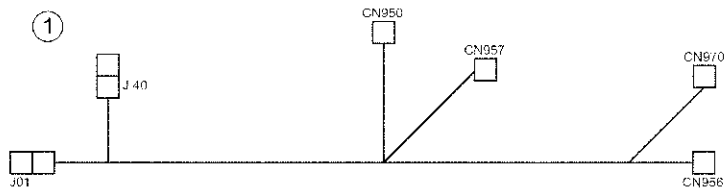
Wiring



REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90180	Polygon relay wiring
2	26TA90210	LD driving wiring
3	26NA90320	Relay wiring/2
4	26TA90340	Developing relay wiring
5	26NA90230	LD relay wiring/1
6	26NA90240	INDEX driving wiring
7	26TA90250	Development wiring
8	26NA90260	Lamp relay wiring
9	26NA90280	High voltage relay wiring
10	26TA90400	System power source wiring

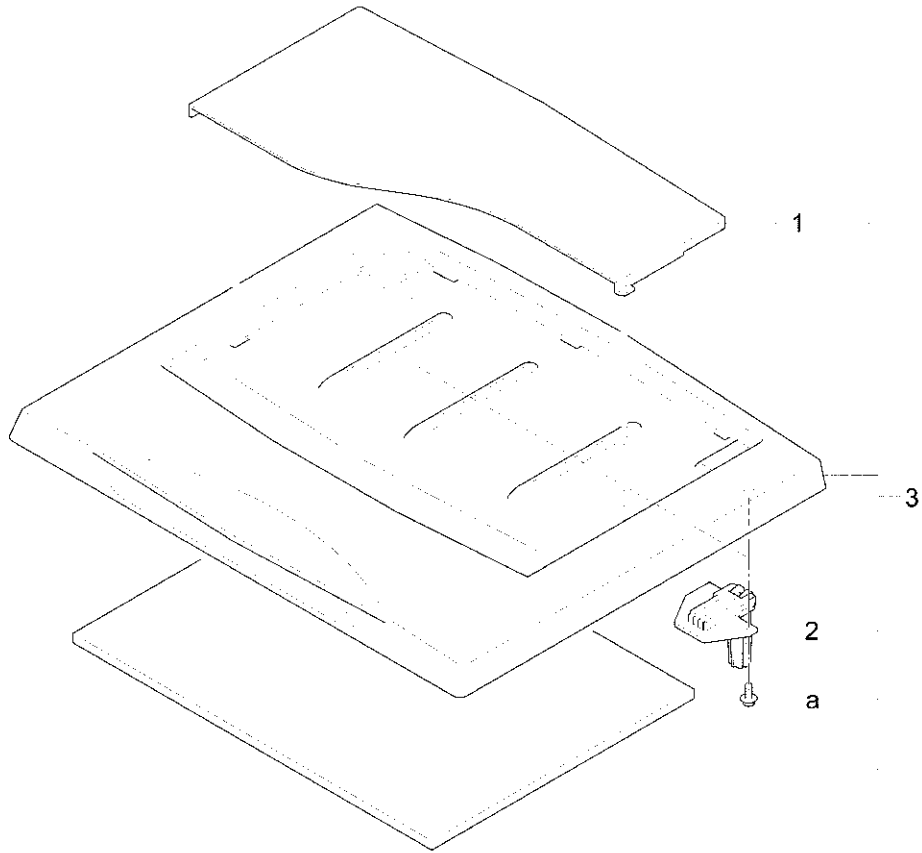
REF. NO.	PART NUMBER	DESCRIPTION
1	26NA90360	High voltage wiring/1
2	26NA90370	High voltage wiring/2
3	26NA90380	High voltage wiring/3
4	26NA90390	LD relay wiring/2
5	26WA90330	Sensor relay wiring /3
6	26WA90440	Registration relay wiring
7	26TA90490	Fixing relay wiring/2
8	26NA90430	Option relay wiring/2
9	26WA90520	Motor relay wiring
10	26NA90451	Bypass feed detecting wiring
11	26NA90460	Total counter relay wiring
12	26NA90470	Paper exit ground wiring
13	40LA90500	A/D wiring
14	26NA90190	Toner supply wiring/1
15	26WA90160	Operation unit wiring/2
16	26TA90520	Paper exit driving wiring

Wiring



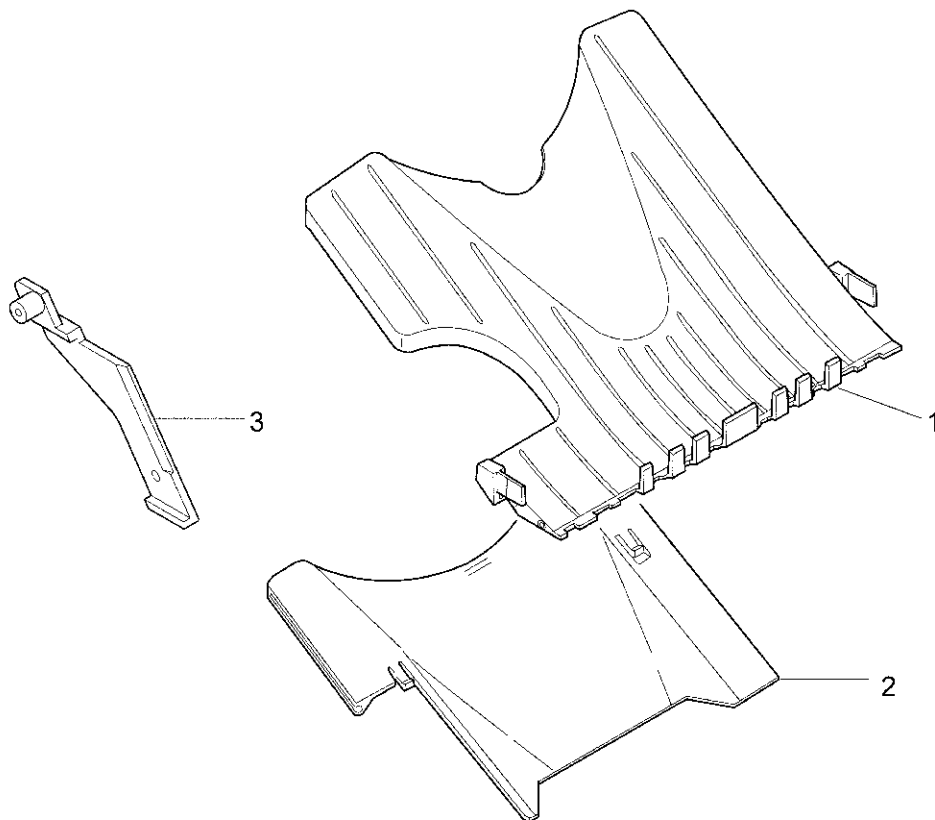
REF. NO.	PART NUMBER	DESCRIPTION
1	26XA90120	Paper feed wiring/upper
2	26XA90130	Paper feed wiring/lower

Platen Cover (CV-109)



REF. NO.	PART NUMBER	DESCRIPTION
1	13HL14070	Original cover/upper
2	13HL14040	Original cover hinge
3	13HL-1400	Original cover assembly

Finisher Output Tray (FT-107)



REF. NO.	PART NUMBER	DESCRIPTION
1	13GQ48010	Paper exit tray/A
2	13GQ48020	Paper exit tray/B
3	13GS10010	Support part

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26NA50840	69	28	26NA61221	13	19	26NA83010	13	12
26NA50871	69	27	26NA61300	11	6	26NA84012	79	16
26NA50890	69	25	26NA61340	13	16	26NA84511	81	15
26NA50890	73	5	26NA61370	13	11	26NA87520	9	7
26NA50900	69	10	26NA61380	13	3	26NA88011	26	1
26NA50910	73	12	26NA61410	13	15	26NA88030	79	17
26NA50920	71	20	26NA61540	13	7	26NA88040	33	3
26NA50963	69	21	26NA61551	13	9	26NA88460	81	17
26NA50971	69	20	26NA61560	13	4	26NA90021	85	2
26NA50991	69	13	26NA61600	13	8	26NA90060	79	11
26NA51010	5	11	26NA61610	13	6	26NA90060	89	3

PART NUMBER	PAGE NO.	REF. NO.	PART NUMBER	PAGE NO.	REF. NO.	PART NUMBER	PAGE NO.	REF. NO.
26NA90110	81	21	26TA-3061	33	1	26TA90400	91	10
26NA90110	87	3	26TA-3230	37	1	26TA90490	28	2
26NA90180	83	3	26TA-3320	37	10	26TA90490	93	7
26NA90180	91	1	26TA-3330	37	12	26TA90520	93	16
26NA90190	93	14	26TA-5400	55	5	26WA-2501	27	14
26NA90230	91	5	26TA-5460	51	9	26WA-3200	35	1
26NA90240	83	4	26TA-5470	57	22	26WA-3250	35	6
26NA90240	91	6	26TA-5481	55	14	26WA-9030	9	14
26NA90260	91	8	26TA-5510	57	32	26WA-9050	13	5
26NA90270	87	6	26TA-6261	11	16	26WA-9900	21	7
26NA90280	79	21	26TA-6500	83	1	26WA32510	35	2
26NA90280	91	9	26TA-7390	67	3	26WA32520	35	15
26NA90300	87	7	26TA-9022	81	2	26WA32530	35	7
26NA90310	87	8	26TA10170	7	16	26WA40230	39	10
26NA90320	79	18	26TA12021	5	1	26WA47010	75	4
26NA90320	91	3	26TA12050	7	4	26WA47020	77	4
26NA90360	79	19	26TA15080	15	34	26WA47211	75	18
26NA90360	93	1	26TA15730	15	22	26WA47221	77	18
26NA90370	79	20	26TA15750	15	17	26WA70030	9	10
26NA90370	93	2	26TA17141	15	13	26WA70190	9	18
26NA90380	79	22	26TA20190	23	14	26WA80011	17	1
26NA90380	93	3	26TA20320	23	6	26WA80011	19	1
26NA90390	83	5	26TA21460	25	15	26WA83520	9	19
26NA90390	93	4	26TA21470	25	1	26WA90090	89	2
26NA90410	87	9	26TA21480	25	2	26WA90140	63	9
26NA90420	87	5	26TA21490	25	14	26WA90140	87	2
26NA90430	93	8	26TA21510	25	16	26WA90160	9	15
26NA90451	65	10	26TA21540	25	13	26WA90160	93	15
26NA90451	93	10	26TA21611	25	10	26WA90330	3	16
26NA90460	93	11	26TA32580	37	2	26WA90330	37	11
26NA90470	67	2	26TA32610	37	4	26WA90330	71	4
26NA90470	93	12	26TA32640	37	3	26WA90330	93	5
26NA97040	5	20	26TA33010	35	25	26WA90440	59	5
26NA97080	7	15	26TA50150	71	8	26WA90440	93	6
26NA97130	9	22	26TA50170	71	9	26WA90520	93	9
26NA97270	65	21	26TA53040	57	12	26WE-7001	9	20
26NA97300	75	19	26TA53070	57	5	26WE70041	9	9
26NA97300	77	19	26TA53080	57	20	26XA-4011	47	1
26NA97310	75	13	26TA53130	57	18	26XA-4050	39	3
26NA97310	77	5	26TA53171	57	3	26XA-4060	45	8
26NA97350	65	12	26TA53250	55	20	26XA40920	39	9
26NA97370	73	1	26TA53271	55	2	26XA40920	45	21
26NA97380	49	6	26TA53440	57	28	26XA90120	39	8
26NA97390	75	5	26TA53450	57	29	26XA90120	95	1
26NA97400	77	13	26TA53470	55	17	26XA90130	45	1
26NA97450	71	26	26TA53560	55	1	26XA90130	95	2
26NA97491	49	10	26TA53680	55	19	26YA-4580	49	5
26NA97830	5	19	26TA53900	53	19	26YA-9300	81	3
26NE-7620	37	8	26TA54010	55	22	26YA47420	77	25
26NE12081	5	8	26TA54040	57	25	26YA90010	85	1
26NE83020	53	3	26TA54060	53	16	26YE-3340	37	9
26NE83030	53	4	26TA54150	53	11	26YE-5300	25	1
26NE88310	5	18	26TA54290	57	26	26YE12130	5	15
26NE88610	81	16	26TA61920	13	10	26YF53030	53	2
26NE97140	5	21	26TA61930	13	13	304078040	61	13
26NE97140	11	17	26TA80010	15	11	304078040	73	10
26NE97181	5	6	26TA80020	13	17	322076010	17	28
26NE97280	75	12	26TA90030	87	1	392045260	21	1
26NE97290	77	10	26TA90040	53	14	396040611	65	6
26NE97470	57	6	26TA90040	85	3	40AA20170	23	19
26NE97820	5	10	26TA90070	21	2	40AA20230	23	5
26PA-4141	39	2	26TA90070	89	1	40AA40150	39	17
26PA40031	41	8	26TA90080	79	23	40AA40150	45	16
26PA40741	47	6	26TA90080	85	4	40AA40150	63	13
26TA-2050	25	17	26TA90210	91	2	40AA40181	20	1
26TA-2090	23	20	26TA90250	31	21	40AA40181	47	4
26TA-2240	23	17	26TA90250	91	7	40AA40450	41	4
26TA-2271	25	11	26TA90340	17	26	40AA40450	47	5
26TA-3001	15	1	26TA90340	91	4	40AA42100	63	15

PART NUMBER	PAGE NO.	REF. NO.	PART NUMBER	PAGE NO.	REF. NO.	PART NUMBER	PAGE NO.	REF. NO.
40AA42270	63	8	40LA40970	47	17	552012250	69	9
40AA42310	61	7	40LA50160	71	10	552012250	73	2
40AA47130	75	6	40LA54050	51	10	55FA-7020	9	8
40AA47130	77	6	40LA90050	53	13	55GA86010	81	22
40AA53470	51	2	40LA90050	87	4	55VA85520	28	1
40AA73191	21	3	40LA90500	93	13	55VA85520	65	11
40AA76040	39	18	466076020	15	1	56AA17830	29	18
40AA76040	45	17	466076020	49	11	56AA85510	3	1
40AA77290	75	7	466076020	63	7	56AA85510	11	9
40AA77290	77	7	466076020	71	27	56AA85510	37	6
40AA85010	79	1	466077130	65	7	56AA85510	39	7
40AA88030	35	22	466078010	31	2	56AA85510	45	2
40LA-1320	7	8	466078010	57	19	56AA85510	59	6
40LA-3110	43	2	466078010	69	24	56AA85510	63	10
40LA-3120	43	3	508053460	67	11	56AA85510	71	22
40LA-3130	43	4	508053460	71	7	56AA85530	11	3
40LA-3140	43	9	540025121	27	3	56GA73430	71	23
40LA-3150	43	5	540040562	63	14	56GA80060	71	14
40LA-3160	21	1	540042120	65	9	580388410	13	14
40LA-3170	43	6	540042350	61	16	684276031	17	21
40LA-3180	43	8	540076010	39	13	SP00-0110	53	15
40LA-6280	11	7	540076010	45	7			
40LA17400	17	32	540076010	63	16			
40LA17400	19	18	540076050	13	22			

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MODELS: **7020/7030**

Part Number Corrections

This bulletin corrects erroneous part number information for the fax kit (FK-101).

<u>PAGE</u>	<u>REF. NO.</u>	<u>OLD PART NO.</u>	<u>NEW PART NO.</u>	<u>INTER- CHANGEABLE</u>	<u>COMMENTS</u>
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7020/7030

(Parts catalog dated May, 2000)

93	5	13FQ87030	13FQ-9030	N/A	Option operating board
93	7	13FQ87010	13FQ-9010	N/A	FAX control board
93	8	13FQ87020	13FQ-9020	N/A	NCU board/Q

REF. NO.	PART NUMBER	DESCRIPTION
1	13FQ70020	Cover sheet
2	13FQ70030	Sheet
3	13FQ70010	Board mount plate
4	13FQ70040	Operation button
5	13FQ-9030	Option operating board
6	13FQ82510	Monitor speaker
7	13FQ-9010	FAX control board
8	13FQ-9020	NCU board/Q
9	13FQ73050	Side cover
10	13FQ73070	Ground spring/A

